

2024-2025

产品选型型录



intel
partner
Titanium

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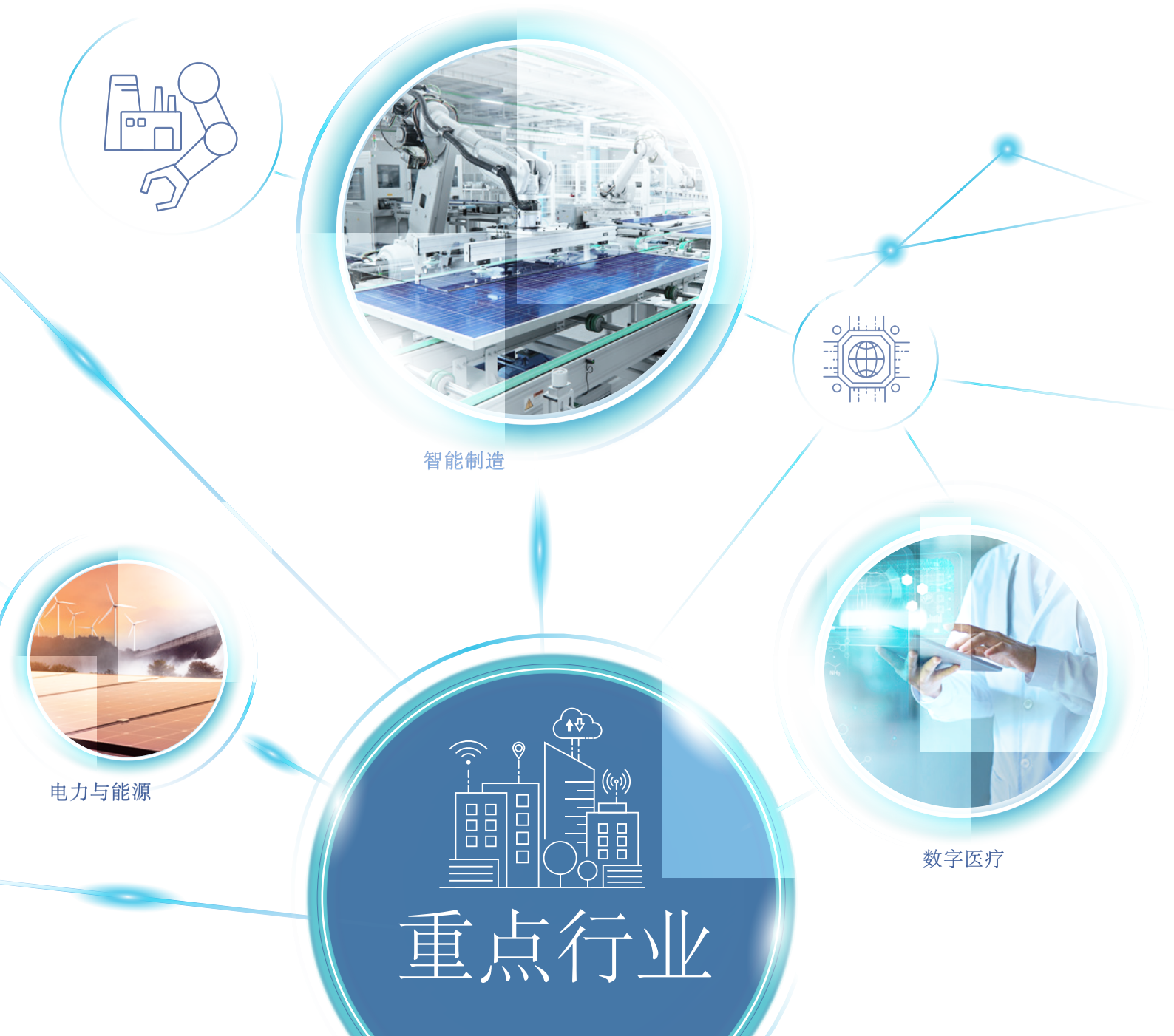
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边缘到云，全程智能

iEi威强电集团公司成立于1997年，是工业计算领域的先驱，并已成为技术创新的领导者，尤其是在边缘计算、网络和医疗应用领域。我们广泛的产品范围建立在强大的工业自动化技术的坚实基础上，并通过人工智能、通信、网络安全、虚拟化计算和云管理方面的最新进展得到增强。这种动态组合使我们能够开发市场驱动的产品并提供最佳的系统集成解决方案。我们致力于环境和社会治理，将可持续发展无缝运用到我们运营和创新的各个方面，确保产生重大的积极影响。

在iEi威强电集团公司，我们坚定不移地致力于创新和客户满意度，这促使我们用复杂的集成解决方案来应对复杂的挑战，这些解决方案不仅满足而且始终超出市场预期。



iEi 威强电集团公司

利用集团公司的集体力量，我们建立了一个以技术驱动的生态系统。我们的合作汇集了多样化的专业技能，确保了我们有能力提供全面的边缘人工智能解决方案。iEi威强电集团的主要子公司威联通科技股份有限公司、百视美股份有限公司、兴威电脑有限公司和芯发威达电子（上海）有限公司，专注于尖端产品，包括边缘计算存储、智能医疗系统以及先进的边缘人工智能计算产品和服务。这种协同作用使我们处于创新的前沿，随时准备满足客户不断变化的需求。

BriteMED

百视美股份有限公司
智能医疗系统供应商



昆山兴威电脑有限公司
专业机箱制造商



上海威强电工业电脑有限公司
工业整合
物联网解决方案提供商



芯发威达电子（上海）有限公司
ODM/OEM电子制造服务



威联通科技股份有限公司
前沿计算存储供应商

iEi GROUP
威強電集團

1997 年成立于中国台湾

一家拥有超过 27 年卓越历史的世界领先公司

作为 1997 年的先驱，我们这家成立于中国台湾的公司一直是行业先锋，专精于计算技术领域，拥有一支强大且人数超过 1000 人的研发团队，我们致力于高质量的产品持久的产品支持服务，灵活满足客户不断变化的需求。

27 年

高级计算解决方案方面的专业
知识

1,000 + 研发团队

卓越的工程设计

100%

内部制造

>3 年

产品生命周期支持

跨境卓越制造

我们站在制造业创新和质量的前沿，我们的根基深深植根于海峡两岸的科技融合。我们的双制造中心不仅仅是地理位置；它们更是代表了我们为全球客户提供无与伦比的高质量 and 尖端解决方案的承诺。

iEi 威强电全球服务网络

3 制造基地 5 物流中心



- iEi 威强电集团子公司
- iEi 威强电集团区域销售服务中心

主要经济体的区域枢纽

中国台湾

- ODM / OEM
- 研发中心
- 制造业
- 物流 & RMA
- 技术支持

日本东京

- 技术支持

中国上海

- ODM / OEM
- 研发中心
- 制造业
- 物流 & RMA
- 技术支持

德国威利奇

- 物流 & RMA
- 技术支持

美国洛杉矶

- ODM / OEM
- 物流 & RMA
- 技术支持

英国斯温顿

- 物流 & RMA
- 技术支持

保修服务

iEi 威强电根据条件和可用性为保修期外的产品提供免费维修和付费 RMA。RMA 系统允许 RMA 状态跟踪和维修报告。

全球物流支持

利用 iEi 威强电集团广阔的全球足迹，我们确保快速的本地交付和全面的客户支持。我们的使命超越了设计和制造；我们优先考虑通过我们的国际物流和区域服务网络加速配送，快速交付您的产品以满足客户需求。

对 ESG 和国际质量标准的承诺

我们的质量体系符合 ISO 9001 标准，涵盖了我们的运营各个方面——从产品设计和部件选择到制造和客户服务。这一体系，加上我们在 ISO 13485、ISO 14001、ISO 45001、IECQ QC 080000 和 ISO 14064 的认证，体现了我们对质量和可持续性的全面承诺。

2024 特色解决方案

提供高效先进的医疗计算解决方案



NEW

VISIT P.135

HTB-230D 系列

专为医疗人工智能计算解决方案打造的医疗人工智能电脑

Raptor Lake

13th Gen Intel® Core™
i9-13900

扩展

1 x PCIe Gen4 x16
2 x PCIe Gen4 x4

DDR5

4 x DDR5 U-DIMM,
Up to 128GB

10.1" TFT LCD

1920 × 1200 高分辨率, 10-point PCAP,
6H 防刮表面

算法能力

支持 NVIDIA Quadro
RTX Ampere 图形处理器



NEW

IP65 防护等级

10-point PCAP 触摸屏

DC 输出

可配置的
5V/12V/15V/19V/24V

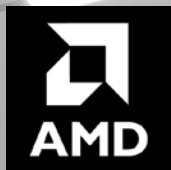
电池

3个热插拔锂离子电池组

VISIT P.134

MPOCm-W24 系列

24英寸移动医疗显示器，配有3节热插拔电池，可与瘦客户机电脑完美搭配。它是提高护理人员工作效率和移动性的理想选择。



AMD'S 的创新网络设备系列

我们的设备专为NGFW/UTM、IPS/IDS和SASE等高级网络安全应用而设计。它们采用AMD的高性能CPU和PCIe 4.0 I/O，为连续、可靠的操作提供高级加密加速和高可用性架构。这确保了现代网络无与伦比的效率和强大的安全性。

Coming soon



VISIT P.118

PUZZLE-7050 系列

1U 高级网络设备

- Single Gen AMD EPYC™ 8004 Series Processor
- 12 x DDR5 ECC RDIMM slots (up to 4800 MHz)
- 1 x PCIe Gen4 x16 FHFL
- 2 x OCP 3.0 slots (PCIe Gen4 x16)
- BMC management port
- 2 x U.2 slots with removable tray

Coming soon

PUZZLE-5060 系列

1U 性能网络设备

- AMD Ryzen™ 8000 Series
- 4 x DDR5 4800MHz UDIMM
- 2 x U.2 2.5" NVMe SSD
- 8 x 1GbE RJ45 ports

VISIT P.120



工业平板解决方案

VISIT P.100

NEW

UPC 系列

12.1" 加固型 IP66 平板
电脑



第13代处理器

Intel® Core i3-1315处理器, 6核,
4.5GHz

I/O 覆盖选项

标准M12或密封橡胶

CAN Bus

1条CAN总线, 用于车辆的实时数据
显示和控制

无线通信

WiFi、蓝牙和RFID集成



VISIT P.102

NEW

DM2 系列

最新一代 IP65 工业显
示器



iEi威强电 DM2系列工业显示器的尺寸从10.4英寸到23.8英寸不等, 通过了IP65防尘防水认证。DM2系列具有VESA和面板安装选项、双2.5W扬声器和网络摄像头, 非常适合工业应用、交互式信息亭和电动汽车充电站, 提供了响应迅速、经久耐用的接口。



低碳排放显示解决方案



NEW

VISIT P.108

Pitaya 系列

2.13"/2.9"/4.2"
电子平板显示器

内容管理

ideaRoomX & iRM
软件管理

电源

AAA 电池和 USB-C

无线

IEEE 802.11b/g/n (2.4 GHz WiFi) /
蓝牙

镀银表面处理

耐刮擦性和抗冲击性

NEW

Peach 系列

7.3" 电子纸显示屏



NEW

Mangosteen 系列

2.13"/2.9" 电子纸显示屏



iEi 威强电低碳排放显示解决方案是一种可持续的、经济高效的减少碳排放的方法。它帮助公司节省印刷和能源成本，降低碳排放。与传统的液晶显示器和纸不同，这种环保、节能的显示器在视觉上令人惊叹。它将低成本ePaper面板与高效控制器相结合，可提供卓越的图像质量，同时功耗显著降低。



OS 支持列表 (Windows / Linux)

| System Chipset | | CE 6.0 | Embedded Compact 7 CE 7.0 | Embedded Compact 2013 | 2000 | XP Pro | 7 | 8.1 | 10 32 bit | 10 64 bit | 11 | Server 2003 | Server 2008 | Server 2012 | Server 2016 | Server 2019 | Linux Kernel |
|-------------------------|----------------------|--------|---------------------------|-----------------------|------|--------|---|-----|-----------|-----------|----|-------------|-------------|-------------|-------------|-------------|------------------------|
| Arrow Lake S | Intel® W880 | | | | | | | | | V | V | | | | | | Linux Kernel 5.4 |
| | Intel® Q870 | | | | | | | | | V | V | | | | | | Linux Kernel 5.4 |
| | Intel® H810 | | | | | | | | | V | V | | | | | | Linux Kernel 5.4 |
| Intel® Meteor Lake U/H | | | | | | | | | | V | V | | | | | | Linux Kernel 5.4 |
| Alder Lake S | Intel® R680 | | | | | | | | | V | V | | | | | V | Linux Kernel 5.4 |
| | Intel® Q670 | | | | | | | | | V | V | | | | | | |
| | Intel® H610 | | | | | | | | | V | V | | | | | | Linux Kernel 5.4 |
| Intel® Alder Lake P | | | | | | | | | | V | V | | | | | | Linux Kernel 5.4 |
| Intel® Alder Lake PS | | | | | | | | | | V | V | | | | | | |
| Intel® Alder Lake N | | | | | | | | | | V | V | | | | | | |
| Comet Lake | Intel® Q470 | | | | | | | | | V | V | | | | | | Linux Kernel 5.4 |
| | Intel® H420E | | | | | | | | | V | V | | | | | | Linux Kernel 5.4 |
| | Intel® H410 | | | | | | | | | V | V | | | | | | Linux Kernel 5.4 |
| Intel® Elkhart Lake | | | | | | | | | | V | V | | | | | | Linux Kernel 5.4 |
| Intel® Jasper Lake | | | | | | | | | | V | V | | | | | | Linux Kernel 5.4 |
| Intel® Atom® C3000 R | | | | | | | | | | V | | | V | V | | | Linux Kernel 4.4 |
| Intel® Atom® C3000 | | | | | | | | V | | V | | | V | V | | | Linux Kernel 4.4 |
| Intel® Tiger Lake UP3 | | | | | | | | | | V | V | | | | | | Linux Kernel 5.4 |
| Coffee Lake R | Intel® C246 | | | | | | | | | V | V | | V | V | V | | Linux Kernel 4.19 |
| | Intel® Q370 | | | | | | | | | V | V | | | | | | Linux Kernel 4.19 |
| | Intel® H310 | | | | | | | | | V | V | | | | | | Linux Kernel 4.19 |
| | Intel® CM246 | | | | | | | | | V | V | | | | | | Linux Kernel 4.19 |
| | Intel® QM370 | | | | | | | | | V | V | | | | | | Linux Kernel 4.19 |
| | Intel® HM370 | | | | | | | | | V | V | | | | | | Linux Kernel 4.19 |
| Intel® Whiskey Lake ULT | | | | | | | | V | | V | V | | V | V | V | | Linux Kernel 4.19 |
| Coffee Lake | Intel® C246 | | | | | | | | | V | V | | V | V | V | | Linux Kernel 4.14 |
| | Intel® Q370 | | | | | | | | | V | V | | | | | | Linux Kernel 4.14 |
| | Intel® H310 | | | | | | | | | V | V | | | | | | Linux Kernel 4.14 |
| | Intel® CM246 | | | | | | | | | V | V | | | | | | Linux Kernel 4.14 |
| | Intel® QM370 | | | | | | | | | V | V | | | | | | Linux Kernel 4.14 |
| | Intel® HM370 | | | | | | | | | V | V | | | | | | Linux Kernel 4.14 |
| Intel® Broadwell-DE | | | | | | | | V | V | V | | V | V | V | | | Linux Kernel 3.19 |
| Kaby Lake | Intel® C236 | | | | | | | | | V | | V | V | V | | | Linux Kernel 4.14 |
| | Intel® Q170 | | | | | | | | | V | | | | | | | Linux Kernel 4.14 |
| | Intel® H110 | | | | | | | | | V | | | | | | | Linux Kernel 4.14 |
| | Intel® CM238 | | | | | | | | | V | | | | | | | Linux Kernel 4.14 |
| | Intel® QM175 | | | | | | | | | V | | | | | | | Linux Kernel 4.14 |
| | Intel® HM175 | | | | | | | | | V | | | | | | | Linux Kernel 4.14 |
| | Intel® Kaby Lake ULT | | | | | | | | | V | | | | | | | Linux Kernel 4.14 |
| Skylake | Intel® C236 | | | | | | | V | V | V | | V | V | V | | | Linux Kernel 4.0 (3.2) |
| | Intel® Q170 | | | | | | | V | V | V | | | | | | | Linux Kernel 4.0 (3.2) |
| | Intel® H110 | | | | | | | V | V | V | | | | | | | Linux Kernel 4.0 (3.2) |
| | Intel® CM236 | | | | | | | V | V | V | | | | | | | Linux Kernel 4.0 (3.2) |
| | Intel® QM170 | | | | | | | V | V | V | | | | | | | Linux Kernel 4.0 (3.2) |
| | Intel® HM170 | | | | | | | V | V | V | | | | | | | Linux Kernel 4.0 (3.2) |
| | Intel® Skylake ULT | | | | | | | V | V | V | | | | | | | Linux Kernel 4.0 (3.2) |
| | Intel® Broadwell ULT | | | | | | | V | V | V | | | | | | | Linux Kernel 3.19 |

OS 支持列表 (Windows / Linux)

| System Chipset | CE 6.0 | Embedded Compact 7 CE 7.0 | Embedded Compact 2013 | 2000 | XP Pro | 7 | 8.1 | 10 32 bit | 10 64 bit | 11 | Server 2003 | Server 2008 | Server 2012 | Server 2016 | Server 2019 | Linux Kernel |
|----------------|--|---------------------------|-----------------------|------|--------|---|-----|-----------|-----------|----|-------------|-------------|-------------|-------------|-------------|---|
| Haswell | Intel® C226 | | | | V | V | V | | V | | V | V | V | | | Linux Kernel 3.x |
| | Intel® Q87 | | | | V | V | V | | V | | | | | | | Linux Kernel 3.x |
| | Intel® H81 | | | | V | V | V | | V | | | | | | | Linux Kernel 3.x |
| | Intel® QM87 | | | | V | V | V | | V | | | | | | | Linux Kernel 3.x |
| | Intel® Haswell ULT | | | | | V | V | | V | | | | | | | Linux Kernel 2.6.3x |
| Ivy Bridge | Intel® C216 | | | | V | V | V | | V | | V | V | V | | | Linux Kernel 2.6.3x |
| | Intel® Q77 | | | | V | V | V | | V | | | | | | | Linux Kernel 2.6.3x |
| | Intel® QM77 | | | | V | V | V | | V | | | | | | | Linux Kernel 2.6.3x |
| Sandy Bridge | Intel® C206 | | | | V | V | V | | | | V | V | V | | | Linux Kernel 2.6.3x |
| | Intel® Q67 | V | | | V | V | V | | | | | | | | | Linux Kernel 2.6.3x |
| | Intel® B65 | V | | | V | V | V | | | | | | | | | Linux Kernel 2.6.3x |
| | Intel® H61 | V | | | V | V | V | | | | | | | | | Linux Kernel 2.6.3x |
| | Intel® QM67 | V | | | V | V | V | | | | | | | | | Linux Kernel 2.6.3x |
| | Intel® HM65 | V | | | V | V | V | | | | | | | | | Linux Kernel 2.6.3x |
| Intel® Legacy | Intel® Q57 | | | | V | V | | | | | | | | | | Linux Kernel 2.6.2x |
| | Intel® QM57 | | | | V | V | | | | | | | | | | Linux Kernel 2.6.2x |
| | Intel® HM55 | | | | V | V | | | | | | | | | | Linux Kernel 2.6.2x |
| | Intel® Apollo Lake N4000/E3900 | | | | | | | | V | | | | | | | Linux Yocto Project 4.1 |
| Intel® Atom® | Intel® Braswell N3000 | | | | | V | V | V | V | | | | | | | Linux Kernel 3.14 Android 5.0 |
| | Intel® Bay Trail J1900/N2930/N2807/E3800 | | V | V | | V | V | V | V | | | | | | | Linux Kernel 3.12 Android 4.2 (32 bit) Android 4.4 (64 bit) |
| | Intel® D2550/N2600/N2800+NM10 | | | | V | V | | | | | | | | | | Linux Kernel 2.6.35 |
| | Intel® D2550/N2600/N2800 + ICH10R | | | | V | V | | | | | | | | | | Linux Kernel 2.6.35 |
| | Intel® D525/D425/N455/N425 + ICH8M | V | | | V | V | | | | | | | | | | Linux Kernel 2.6.2x |
| AMD® | AMD® V1000-series (Ryzen Embedded) SoC | | | | | | | | V | | | | | | | Linux Kernel 4.14 |
| | AMD® R1000-series (Ryzen Embedded) SoC | | | | | | | | V | | | | | | | Linux Kernel 4.14 |
| | AMD® R-series (MERLIN FALCON) SoC | | | | | | V | V | V | | | | | | | Linux Kernel 3.13 |
| | AMD® G-series (eKABINI) SoC | V | V | V | V | V | V | | V | | | | | | | Linux Kernel 3.x |
| | AMD® Geode LX800 + CS5536 | | | | V | | | | | | | | | | | Linux Kernel 2.6.18 |

CPU 列表

微服务器D1500系列CPU列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 |
|-----------|----------|----------------|----------|--------|----------|----------|-------|------|-----------|-----------------------|-----|
| FCBGA1667 | Xeon® E3 | 22nm Broadwell | 16/32 | D-1577 | 1.30 GHz | 24 MB | 45 W | None | None | DDR4-2133, DDR3L-1600 | |
| | | | 16/32 | D-1571 | 1.30 GHz | 24 MB | 45 W | | | | |
| | | | 12/24 | D-1567 | 2.10 GHz | 18 MB | 65 W | | | | |
| | | | 12/24 | D-1559 | 1.50 GHz | 18 MB | 45 W | | | | |
| | | | 12/24 | D-1557 | 1.50 GHz | 18 MB | 45 W | | | | |
| | | | 8/16 | D-1548 | 2.00 GHz | 12 MB | 45 W | | | | |
| | | | 8/16 | D-1541 | 2.10 GHz | 12 MB | 45 W | | | | |
| | | | 8/16 | D-1540 | 2.00 GHz | 12 MB | 45 W | | | | |
| | | | 8/16 | D-1539 | 1.60 GHz | 12 MB | 35 W | | | | |
| | | | 8/16 | D-1537 | 1.70 GHz | 12 MB | 35 W | | | | |
| | | | 6/12 | D-1531 | 2.20 GHz | 9 MB | 45 W | | | | |
| | | | 4/8 | D-1529 | 1.30 GHz | 6 MB | 20 W | | | | |
| | | | 6/12 | D-1528 | 1.90 GHz | 9 MB | 35 W | | | | |
| | | | 4/8 | D-1527 | 2.20 GHz | 6 MB | 35 W | | | | |
| | | | 4/8 | D-1521 | 2.40 GHz | 6 MB | 45 W | | | | |
| | | | 4/8 | D-1520 | 2.20 GHz | 6 MB | 45 W | | | | |
| | | | 4/8 | D-1518 | 2.20 GHz | 6 MB | 35 W | | | | |
| | | | Pentium® | | | 4/8 | D1519 | | | | |
| | 4/8 | D1517 | | | | 1.60 GHz | 6 MB | | | 25 W | |
| | 2/2 | D1509 | | | | 1.50 GHz | 3 MB | | | 19 W | |
| | 2/4 | D1508 | | | | 2.20 GHz | 3 MB | | | 25 W | |
| | 2/2 | D1507 | | | | 1.20 GHz | 3 MB | | | 20 W | |
| | | | | | | | | | DDR4-2133 | | |
| | | | | | | | | | | DDR4-2133, DDR3L-1600 | |
| | | | | | | | | | | DDR4-2133 | |
| | | | | | | | | | | DDR4-2133, DDR3L-1600 | |

Denverton Atom® C3000 系列 CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 |
|-----------|-------|----------------|-------|--------|---------|------|--------|------|--------|-----------|------|
| FCBGA1310 | Atom® | 14nm Denverton | 16/16 | C3958 | 2.0GHz | 16MB | 31W | None | None | DDR4 2400 | None |
| | | | 12/12 | C3858 | 2.0GHz | 12MB | 25W | None | None | | |
| | | | 8/8 | C3758 | 2.2GHz | 16MB | 25W | None | None | | |
| | | | 4/4 | C3558 | 2.2GHz | 8MB | 16W | None | None | DDR4 2133 | |
| | | | 4/4 | C3538 | 2.1GHz | 8MB | 15W | None | None | | |
| | | | 2/2 | C3338 | 1.5GHz | 4MB | 8.5W | None | None | DDR4 1866 | |
| | | | 2/2 | C3336 | 1.5GHz | 4MB | 11W | None | None | | |
| | | | 8/8 | C3758R | 2.4GHz | 16MB | 26W | None | None | DDR4 2400 | |
| | | | 4/4 | C3558R | 2.4GHz | 8MB | 17W | None | None | | |
| | | | 4/4 | C3436L | 1.3GHz | 8MB | 10.75W | None | None | DDR4 1866 | |
| | | | 2/2 | C3338R | 1.8GHz | 4MB | 10.5W | None | None | | |

工作站 Xeon® E3/E/W 系列 CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 |
|-----------|---------|-------------------|-------|--------|----------|----------|-------|------|--------|-----------|------|
| FCLGA2066 | Xeon® W | 14nm Cascade Lake | 18/36 | W-2295 | 3.00 GHz | 24.75 MB | 165 W | None | None | DDR4 2933 | C422 |
| | | | 14/28 | W-2275 | 3.30GHz | 19.25 MB | 165 W | None | None | | |
| | | | 12/24 | W-2265 | 3.50 GHz | 19.25 MB | 165 W | None | None | | |
| | | | 10/20 | W-2255 | 3.70 GHz | 19.25 MB | 165 W | None | None | | |
| | | | 8/16 | W-2245 | 3.90 GHz | 16.5 MB | 155 W | None | None | | |
| | | | 6/12 | W-2235 | 3.80 GHz | 8.25 MB | 130W | None | None | | |
| | | | 4/8 | W-2225 | 4.10 GHz | 8.25 MB | 105W | None | None | | |
| | | | 4/8 | W-2223 | 3.60 GHz | 8.25 MB | 120W | None | None | DDR4 2666 | |

黄色代表支持长期供货

CPU 列表

工作站 Xeon® E3/E/W 系列 CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 |
|-----------|----------|-------------------|-------|------------|----------|----------|------|--------------------------------|---------|---|---------------|
| FCLGA3647 | Xeon® W | 14nm Cascade Lake | 28/56 | W-3275 | 2.50 GHz | 38.5 MB | 205W | None | None | DDR4 2933 | C621 |
| | | | 24/48 | W-3265M | 2.70 GHz | 33 MB | 205W | None | None | | |
| | | | 24/48 | W-3265 | 2.70GHz | 33MB | 205W | None | None | | |
| | | | 16/32 | W-3245M | 3.20 GHz | 22MB | 205W | None | None | | |
| | | | 16/32 | W-3245 | 3.20 GHz | 22 MB | 205W | None | None | | |
| | | | 12/24 | W-3235 | 3.30 GHz | 19.25 MB | 180W | None | None | | |
| | | | 8/16 | W-3225 | 3.70 GHz | 16.5 MB | 160W | None | None | DDR4-2666 | C621 |
| | | | 8/16 | W-3223 | 3.50 GHz | 16.5 MB | 160W | None | None | | |
| FCLGA1151 | Xeon® E | 14nm Coffee lake | 6/12 | E-2186G | 3.80 GHz | 12MB | 95W | Intel® UHD Graphics P630 | 350 MHz | DDR4-2666 | C246/ C242 |
| | | | 6/12 | E-2176G | 3.70 GHz | 12MB | 80W | | | | |
| | | | 4/8 | E-2174G | 3.80 GHz | 8MB | 71W | | | | |
| | | | 6/12 | E-2146G | 3.50 GHz | 12MB | 80W | | | | |
| | | | 4/8 | E-2144G | 3.60 GHz | 8MB | 71W | NA | NA | | |
| | | | 6/12 | E-2136 | 3.30 GHz | 12MB | 80W | | | | |
| | | | 4/8 | E-2134 | 3.50 GHz | 8MB | 71W | NA | NA | | |
| | | | 6/6 | E-2126G | 3.30 GHz | 12MB | 80W | Intel® UHD Graphics P630 | 350 MHz | | |
| | | | 4/4 | E-2124 | 3.30 GHz | 8MB | 71W | NA | NA | | |
| | | | 4/4 | E-2124G | 3.40 GHz | 8MB | 71W | Intel® UHD Graphics P630 | 350 MHz | | |
| FCLGA1151 | Xeon® E3 | 14nm Kaby Lake | 4/8 | E3-1285 V6 | 4.1GHz | 8 MB | 79W | Intel® HD Graphics P630 | 350 MHz | DDR4-2400, DDR3L-1866 | C236 |
| | | | 4/8 | E3-1280 V6 | 3.9GHz | 8 MB | 72W | None | None | | |
| | | | 4/8 | E3-1275 V6 | 3.8GHz | 8 MB | 73W | Intel® HD Graphics P630 | 350 MHz | | |
| | | | 4/8 | E3-1270 V6 | 3.8GHz | 8 MB | 72W | None | None | | |
| | | | 4/8 | E3-1245 V6 | 3.7GHz | 8 MB | 73W | Intel® HD Graphics P630 | 350 MHz | | |
| | | | 4/8 | E3-1240 V6 | 3.7GHz | 8 MB | 72W | None | None | | |
| | | | 4/8 | E3-1230 V6 | 3.5GHz | 8 MB | 72W | None | None | | |
| | | | 4/4 | E3-1225 V6 | 3.3GHz | 8 MB | 73W | Intel® HD Graphics P630 | 350 MHz | | |
| | | | 4/4 | E3-1220 V6 | 3.0GHz | 8 MB | 72W | None | None | | |
| FCLGA2066 | Xeon® W | 14nm Skylake | 4/4 | W-2123 | 3.60 GHz | 8.25MB | 120W | None | None | DDR4-2666 ECC R-DIMM / LR-DIMM | C422 |
| | | | 4/4 | W-2125 | 4.00 GHz | 8.25MB | 120W | None | None | | |
| | | | 6/12 | W-2133 | 3.60 GHz | 8.25MB | 140W | None | None | | |
| | | | 6/12 | W-2135 | 3.70 GHz | 8.25MB | 140W | None | None | | |
| | | | 8/16 | W-2145 | 3.70 GHz | 11MB | 140W | None | None | | |
| | | | 10/20 | W-2155 | 3.30 GHz | 13.75MB | 140W | None | None | | |
| | | | 14/28 | W-2175 | 2.50 GHz | 19MB | 140W | None | None | | |
| | | | 18/36 | W-2195 | 2.30 GHz | 24.75MB | 140W | None | None | | |
| FCLGA1151 | Xeon® E3 | 14nm Skylake | 4/8 | E3-1515MV5 | 2.80 GHz | 8 MB | 45 W | Intel® Iris™ Pro Graphics P580 | 350 MHz | DDR4-2133, LPDDR3-1866, DDR3L-1600 | C236 |
| | | | 4/8 | E3-1505MV5 | 2.80 GHz | 8 MB | 45 W | Intel® HD Graphics P530 | | | |
| | | | 4/8 | E3-1578LV5 | 2.00 GHz | 8 MB | 45 W | Intel® Iris™ Pro Graphics P580 | 700 MHz | DDR3L, DDR4 2133MHz at 1.2V | |
| | | | 4/8 | E3-1558LV5 | 1.90 GHz | 8 MB | 45 W | Intel® Iris™ Pro Graphics P555 | 650 MHz | | |
| | | | 4/8 | E3-1505LV5 | 2.00 GHz | 8 MB | 25 W | Intel® HD Graphics P530 | 350 MHz | DDR4-2133, LPDDR3-1866, DDR3L-1600 | |
| | | | 4/8 | E3-1268LV5 | 2.40 GHz | 8 MB | 35 W | | | | |
| | | | 4/8 | E3-1585V5 | 3.50 GHz | 8 MB | 65 W | Intel® Iris™ Pro Graphics P580 | 350 MHz | DDR3L, LPDDR3 1600MHz, DDR4 2133MHz at 1.2V | |
| | | | 4/8 | E3-1585LV5 | 3.00 GHz | 8 MB | 45 W | | | | |
| | | | 4/8 | E3-1565LV5 | 2.50 GHz | 8 MB | 35 W | | | | |

黄色代表支持长期供货

CPU 列表

工作站 Xeon® E3/E/W 系列 CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 | |
|-----------|------------|-----------------|-------|------------|----------|------|------|--------------------------|----------|---------------------------------------|--------------|----------------|
| FCLGA1151 | Xeon® E3 | 14nm Skylake | 4/8 | E3-1280V5 | 3.70 GHz | 8 MB | 80 W | None | None | DDR4-1866/2133, DDR3L-1333/1600@1.35V | C236 | |
| | | | 4/8 | E3-1275V5 | 3.60 GHz | 8 MB | 80 W | Intel® HD Graphics P530 | 400 MHz | | | |
| | | | 4/8 | E3-1270V5 | 3.60 GHz | 8 MB | 80 W | None | None | | | |
| | | | 4/8 | E3-1260LV5 | 2.90 GHz | 8 MB | 45 W | | | | | |
| | | | 4/8 | E3-1245V5 | 3.50 GHz | 8 MB | 80 W | Intel® HD Graphics P530 | 400 MHz | | | |
| | | | 4/8 | E3-1240LV5 | 2.10 GHz | 8 MB | 25 W | None | None | | | |
| | | | 4/8 | E3-1240V5 | 3.50 GHz | 8 MB | 80 W | | | | | |
| | | | 4/4 | E3-1235LV5 | 2.00 GHz | 8 MB | 25 W | Intel® HD Graphics P530 | 400 MHz | | | |
| | | | 4/8 | E3-1230V5 | 3.40 GHz | 8 MB | 80 W | None | None | | | |
| | | | 4/4 | E3-1225V5 | 3.30 GHz | 8 MB | 80 W | Intel® HD Graphics P530 | 400 MHz | | | |
| | | | 4/4 | E3-1220V5 | 3.00 GHz | 8 MB | 80 W | None | None | | | |
| FCLGA1150 | Xeon® E3 | 22nm Haswell | 4/4 | E3-1220 v3 | 3.1 GHz | 8 MB | 80 W | None | - | DDR3 and DDR3L 1333/1600 at 1.5V | C226 | |
| | | | 2/4 | E3-1220LV3 | 1.1 GHz | 4 MB | 13 W | None | - | DDR3 1333/1600 | | |
| | | | 4/4 | E3-1225V3 | 3.2 GHz | 8 MB | 84 W | Intel® HD Graphics P4600 | 350 MHz | DDR3 and DDR3L 1333/1600 at 1.5V | | |
| | | | 4/4 | E3-1226V3 | 3.3 GHz | 8 MB | 84 W | | | | | |
| | | | 4/8 | E3-1230 v3 | 3.3 GHz | 8 MB | 80 W | None | - | | | |
| | | | 4/8 | E3-1230Lv3 | 1.8 GHz | 8 MB | 25 W | | - | | | |
| | | | 4/8 | E3-1231V3 | 3.4 GHz | 8 MB | 80 W | | - | | | |
| | | | 4/8 | E3-1240 v3 | 3.4 GHz | 8 MB | 80 W | | - | | | |
| | | | 4/8 | E3-1240LV3 | 2 GHz | 8 MB | 25 W | | - | | | |
| | | | 4/8 | E3-1241V3 | 3.5 GHz | 8 MB | 80 W | | - | | | |
| | | | 4/8 | E3-1245 v3 | 3.4 GHz | 8 MB | 84 W | Intel® HD Graphics P4600 | 350 MHz | | | |
| | | | 4/8 | E3-1246V3 | 3.5 GHz | 8 MB | 84 W | | | | | |
| | | | 4/8 | E3-1265Lv3 | 2.5 GHz | 8 MB | 45 W | Intel® HD Graphics | 350 MHz | | | DDR3 1333/1600 |
| | | | 4/8 | E3-1268LV3 | 2.3 GHz | 8 MB | 45 W | Intel® HD Graphics 4600 | 350 MHz | DDR3 and DDR3L 1333/1600 at 1.5V | | |
| | | | 4/8 | E3-1270 v3 | 3.5 GHz | 8 MB | 80 W | None | | | | - |
| | | | 4/8 | E3-1271V3 | 3.6 GHz | 8 MB | 80 W | | | | | - |
| | | | 4/8 | E3-1275 v3 | 3.5 GHz | 8 MB | 84 W | Intel® HD Graphics P4600 | | | | |
| | | | 4/8 | E3-1275LV3 | 2.7 GHz | 8 MB | 45 W | Intel® HD Graphics | | | | |
| | | | 4/8 | E3-1276V3 | 3.6 GHz | 8 MB | 84 W | Intel® HD Graphics P4600 | | | | |
| | | | 4/8 | E3-1280 v3 | 3.6 GHz | 8 MB | 82 W | None | | | | - |
| | | | 4/8 | E3-1281V3 | 3.7 GHz | 8 MB | 82 W | None | | | | - |
| | | | 4/8 | E3-1285 v3 | 3.6 GHz | 8 MB | 84 W | Intel® HD Graphics P4700 | | | | 350 MHz |
| | | | 4/8 | E3-1285LV3 | 3.1 GHz | 8 MB | 65 W | | | | | |
| | | | 4/8 | E3-1286V3 | 3.7 GHz | 8 MB | 84 W | | | | | |
| 4/8 | E3-1286LV3 | 3.2 GHz | 8 MB | 65 W | | | | | | | | |
| LGA1155 | Xeon® E3 | 22nm Ivy Bridge | 4/8 | E3-1290V2 | 3.7 GHz | 8 MB | 87 W | - | - | DDR3-1333/1600 | C206/ C21 | |
| | | | 4/8 | E3-1280V2 | 3.6 GHz | 8 MB | 69 W | - | - | | | |
| | | | 4/8 | E3-1275V2 | 3.5 GHz | 8 MB | 77 W | - | 1.25 GHz | | | |
| | | | 4/8 | E3-1270V2 | 3.5 GHz | 8 MB | 69 W | - | - | | | |
| | | | 4/8 | E3-1265LV2 | 2.5 GHz | 8 MB | 45 W | - | 1.15 GHz | | | |
| | | | 4/8 | E3-1245V2 | 3.4 GHz | 8 MB | 77 W | - | 1.25 GHz | | | |
| | | | 4/8 | E3-1240V2 | 3.4 GHz | 8 MB | 69 W | - | - | | | |
| | | | 4/8 | E3-1230V2 | 3.3 GHz | 8 MB | 69 W | - | - | | | |
| | | | 4/4 | E3-1225V2 | 3.2 GHz | 8 MB | 77 W | - | 1.25 GHz | | | |
| | | | 4/4 | E3-1220V2 | 3.1 GHz | 8 MB | 69 W | - | - | | | |
| | | | 4/2 | E3-1220LV2 | 2.3 GHz | 3 MB | 17 W | - | - | | | |

黄色代表支持长期供货

CPU 列表

工作站 Xeon® E3/E/W 系列 CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 |
|---------|----------|-------------------|-------|----------|---------|------|------|----|----------|----------------|---------------|
| LGA1155 | Xeon® E3 | 32nm Sandy Bridge | 4/8 | E3-1290 | 3.6 GHz | 8 MB | 95 W | - | - | DDR3-1066/1333 | C206/ C216 |
| | | | 4/8 | E3-1280 | 3.5 GHz | 8 MB | 95 W | - | - | | |
| | | | 4/8 | E3-1275 | 3.4 GHz | 8 MB | 95 W | - | 1.35 GHz | | |
| | | | 4/8 | E3-1270 | 3.4 GHz | 8 MB | 80 W | - | - | | |
| | | | 4/8 | E3-1260L | 2.4 GHz | 8 MB | 45 W | - | 1.25 GHz | | |
| | | | 4/8 | E3-1245 | 3.3 GHz | 8 MB | 95 W | - | 1.35 GHz | | |
| | | | 4/8 | E3-1240 | 3.3 GHz | 8 MB | 80 W | - | - | | |
| | | | 4/8 | E3-1235 | 3.2 GHz | 8 MB | 95 W | - | 1.35 GHz | | |
| | | | 4/8 | E3-1230 | 3.2 GHz | 8 MB | 80 W | - | - | | |
| | | | 4/4 | E3-1225 | 3.1 GHz | 6 MB | 95 W | - | 1.35 GHz | | |
| | | | 4/2 | E3-1220L | 2.2 GHz | 3 MB | 20 W | - | - | | |
| | | | 4/4 | E3-1220 | 3.1 GHz | 8 MB | 80 W | - | - | | |

桌面级 Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 |
|-----------|----------|-------------------|-------|-----------|--|-------|-------|-------------------------|---------|------------------------|--------------------|
| FCLGA1700 | Core™ i9 | 14nm Alder Lake-S | 24/32 | i9-14900K | 3.20 GHz (Performance-core) 2.40 GHz (Efficient-core) | 36 MB | 125 W | Intel® UHD Graphics 770 | 300 MHz | DDR5 4800 DDR4 3200 | R680/ Q670/H610 |
| | | | | i9-14900 | 2.00 GHz (Performance-core) 1.80 GHz (Efficient-core) | 36 MB | 65W | | | | |
| | | | | i9-14900T | 1.10 GHz (Performance-core) 1.00 GHz (Efficient-core) | 36 MB | 35W | | | | |
| | Core™ i7 | | 20/28 | i7-14700K | 3.40 GHz (Performance-core) 2.70 GHz (Efficient-core) | 33 MB | 125 W | Intel® UHD Graphics 770 | 300 MHz | DDR5 4800 DDR4 3200 | |
| | | | | i7-14700 | 2.10 GHz (Performance-core) 1.60 GHz (Efficient-core) | 33 MB | 65W | | | | |
| | | | | i7-14700T | 1.30 GHz (Performance-core) 1.00 GHz (Efficient-core) | 33 MB | 35W | | | | |
| | Core™ i5 | | 14/20 | i5-14600K | 3.50 GHz (Performance-core) 1.00 GHz (Efficient-core) | 24 MB | 125 W | Intel® UHD Graphics 770 | 300 MHz | DDR5 4800 DDR4 3200 | |
| | | | | i5-14600 | 2.70 GHz (Performance-core) 1.00 GHz (Efficient-core) | 24 MB | 65W | | | | |
| | | | | i5-14600T | 1.30 GHz (Performance-core) 1.00 GHz (Efficient-core) | 24 MB | 35W | | | | |
| | Core™ i3 | | 4/8 | i3-14100 | 3.50 GHz (Performance-core) 1.00 GHz (Efficient-core) | 12 MB | 60W | Intel® UHD Graphics 770 | 300 MHz | DDR5 4800 DDR4 3200 | |
| | | | | i3-14100T | 2.70 GHz (Performance-core) 1.00 GHz (Efficient-core) | 12 MB | 35W | | | | |

黄色代表支持长期供货

CPU 列表

桌面级 Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 |
|-----------|----------|-------------------|--|------------|--|-------------------------|-------|-------------------------|---------|------------------------|--------------------|
| FCLGA1700 | Core™ i9 | 14nm Alder Lake-S | 24/32 | i9-13900K | 3.00 GHz(Performance-core) 2.40 GHz(Efficient-core) | 36 MB | 125 W | Intel® UHD Graphics 770 | 300 MHz | DDR5 4800 DDR4 3200 | R680/ Q670/H610 |
| | | | | i9-13900 | 2.00 GHz(Performance-core) 1.80 GHz(Efficient-core) | 36 MB | 65W | | | | |
| | | | | i9-13900E | 1.80 GHz(Performance-core) 1.70 GHz(Efficient-core) | 36 MB | 65W | | | | |
| | | | | i9-13900TE | 1.00 GHz(Performance-core) 1.00 GHz(Efficient-core) | 36 MB | 35W | | | | |
| | Core™ i7 | | 16/24 | i7-13700K | 3.60 GHz(Performance-core) 2.70 GHz(Efficient-core) | 30 MB | 125 W | Intel® UHD Graphics 770 | | | |
| | | | | i7-13700 | 2.10 GHz(Performance-core) 1.60 GHz(Efficient-core) | 30 MB | 65W | | | | |
| | | | | i7-13700E | 2.10 GHz(Performance-core) 1.60 GHz(Efficient-core) | 30 MB | 65W | | | | |
| | | | | i7-13700TE | 1.40 GHz(Performance-core) 1.00 GHz(Efficient-core) | 30 MB | 35W | | | | |
| | Core™ i5 | | 14/20 | i5-13600K | 3.50 GHz(Performance-core) 1.00 GHz(Efficient-core) | 24 MB | 125 W | Intel® UHD Graphics 770 | | | |
| | | | | i5-13500 | 2.50 GHz(Performance-core) 1.00 GHz(Efficient-core) | 24 MB | 65W | | | | |
| | | | | i5-13500E | 2.40 GHz(Performance-core) 1.00 GHz(Efficient-core) | 24 MB | 65W | | | | |
| | | | | i5-13500TE | 1.30 GHz(Performance-core) 1.00 GHz(Efficient-core) | 24 MB | 35W | | | | |
| Core™ i3 | 4/8 | i3-13100 | 3.40 GHz(Performance-core) 1.00 GHz(Efficient-core) | 12 MB | 60W | Intel® UHD Graphics 770 | | | | | |
| | | i3-13100E | 3.30 GHz(Performance-core) 1.00 GHz(Efficient-core) | 12 MB | 60W | | | | | | |
| | | i3-13100TE | 2.40 GHz(Performance-core) 1.00 GHz(Efficient-core) | 12 MB | 35W | | | | | | |
| FCLGA1700 | Core™ i9 | 14nm Alder Lake-S | 16/24 | i9-12900K | 3.20 GHz(Performance-core) 2.40 GHz(Efficient-core) | 14 MB | 125 W | Intel® UHD Graphics 770 | 300 MHz | DDR5 4800 DDR4 3200 | R680/ H610 |
| | | | | i9-12900 | 2.40 GHz(Performance-core) 1.80 GHz(Efficient-core) | 14 MB | 65W | | | | |
| | | | | i9-12900E | 2.30 GHz(Performance-core) 1.70 GHz(Efficient-core) | 30 MB | 65W | | | | |
| | | | | i9-12900TE | 1.10 GHz(Performance-core) 1.00 GHz(Efficient-core) | 30 MB | 35W | | | | |
| | Core™ i7 | | 12/20 | i7-12700K | 3.60 GHz(Performance-core) 2.70 GHz(Efficient-core) | 12 MB | 125 W | Intel® UHD Graphics 770 | | | |
| | | | | i7-12700 | 2.10 GHz(Performance-core) 1.60 GHz(Efficient-core) | 12 MB | 65W | | | | |
| | | | | i7-12700E | 2.10 GHz(Performance-core) 1.60 GHz(Efficient-core) | 25 MB | 65W | | | | |
| | | | | i7-12700TE | 1.40 GHz(Performance-core) 1.00 GHz(Efficient-core) | 25 MB | 35W | | | | |
| | Core™ i5 | | 6/12 | i5-12600K | 2.80 GHz | 9.5 MB | 125 W | Intel® UHD Graphics 770 | | | |
| | | | | i5-12500 | 3.00 GHz | 18MB | 65W | | | | |
| | | | | i5-12500E | 2.90 GHz | 18 MB | 65W | | | | |
| | Core™ i3 | | 4/8 | i3-12300 | 3.50 GHz | 5 MB | 60W | Intel® UHD Graphics 770 | | | |
| | | | | i3-12100E | 3.20 GHz | 12 MB | 60W | | | | |
| | | | | i3-12100TE | 2.10 GHz | 12 MB | 35W | | | | |
| | Pentium® | | 2/4 | G7400E | 3.60 GHz | 6 MB | 46W | Intel® UHD Graphics 770 | | | |
| | | | | G7400TE | 3.00 GHz | 6 MB | 35W | | | | |
| | Celeron® | | 2/2 | G6900E | 3.00 GHz | 4 MB | 46W | Intel® UHD Graphics 770 | | | |
| | | | | G6900TE | 2.40 GHz | 4 MB | 35W | | | | |

黄色代表支持长期供货

CPU 列表

桌面级 Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 |
|-----------|----------|--------------------------|------------|-----------|----------|-------------------------|-------------------------|-------------------------|---------|-----------|--|
| FCLGA1200 | Core™ i9 | 14nm Comet Lake-S | 8/16 | i9-11900K | 3.50 GHz | 16 MB | 125 W | Intel® UHD Graphics 750 | 350 MHz | DDR4-3200 | W480E/ W480/ Q470E/ Q470/ H420E/ H410 |
| | | | | i9-11900 | 2.50 GHz | 16 MB | 65 W | | | | |
| | | | | i9-11900T | 1.50 GHz | 16 MB | 35 W | | | | |
| | Core™ i7 | | 8/16 | i7-11700K | 3.60 GHz | 16 MB | 125 W | Intel® UHD Graphics 750 | | | |
| | | | | i7-11700 | 2.50 GHz | 16 MB | 65 W | | | | |
| | | | | i7-11700T | 1.40 GHz | 16 MB | 35 W | | | | |
| | Core™ i5 | | 6/12 | i5-11600K | 3.90 GHz | 12 MB | 125 W | Intel® UHD Graphics 750 | | | |
| | | | | i5-11500 | 2.50 GHz | 12 MB | 65 W | | | | |
| | | | | i5-11500T | 1.50 GHz | 12 MB | 35 W | | | | |
| | Core™ i3 | | 8/16 | i3-11300K | 3.50 GHz | 16 MB | 125 W | Intel® UHD Graphics 750 | | | |
| | | i3-11300 | | 2.50 GHz | 16 MB | 65 W | | | | | |
| | | i3-11300T | | 1.50 GHz | 16 MB | 35 W | | | | | |
| | Core™ i9 | 10/20 | i9-10900K | 3.70 GHz | 20 MB | 125 W | Intel® UHD Graphics 630 | | | | |
| | | | i9-10900 | 2.80 GHz | 20 MB | 65 W | | | | | |
| | | | i9-10900E | 2.80 GHz | 20 MB | 65 W | | | | | |
| | | | i9-10900TE | 1.80 GHz | 20 MB | 35W | | | | | |
| | Core™ i7 | 8/16 | i7-10700K | 3.80 GHz | 16 MB | 125 W | Intel® UHD Graphics 630 | | | | |
| | | | i7-10700 | 2.90 GHz | 16 MB | 65 W | | | | | |
| | | | i7-10700E | 2.90 GHz | 16 MB | 65 W | | | | | |
| | | | i7-10700TE | 2.00 GHz | 16 MB | 35 W | | | | | |
| Core™ i5 | 6/12 | i5-10600K | 4.10 GHz | 12 MB | 125 W | Intel® UHD Graphics 630 | | | | | |
| | | i5-10500 | 3.10 GHz | 12 MB | 65 W | | | | | | |
| | | i5-10500E | 3.10 GHz | 12 MB | 65 W | | | | | | |
| | | i5-10500TE | 2.30 GHz | 12 MB | 35W | | | | | | |
| Core™ i3 | 4/8 | i3-10300 | 3.70 GHz | 8 MB | 65 W | Intel® UHD Graphics 630 | | | | | |
| | | i3-10100E | 3.20 GHz | 8 MB | 65 W | | | | | | |
| | | i3-10100TE | 2.30 GHz | 8 MB | 35W | | | | | | |
| Pentium® | 2/4 | G6400E | 3.80 GHz | 4 MB | 58 W | Intel® UHD Graphics 630 | | | | | |
| | | G6400TE | 3.20 GHz | 4 MB | 35 W | | | | | | |
| Celeron® | 2/2 | G5900E | 3.20 GHz | 2 MB | 58 W | Intel® UHD Graphics 630 | | | | | |
| | | G5900TE | 3.00 GHz | 2 MB | 35 W | | | | | | |
| FCLGA1151 | Core™ i9 | 14nm Coffee Lake refresh | 8/16 | i9-9900KF | 3.60 GHz | 16MB | 95W | N/A | N/A | DDR4-2666 | H310/Q370/ C246 |
| | | | 8/16 | i9-9900T | 2.10 GHz | 16MB | 35W | Intel® UHD Graphics 630 | | | |
| | | | 8/16 | i9-9900 | 3.10 GHz | 16MB | 65W | | | | |
| | Core™ i7 | 14nm Coffee Lake refresh | 8/8 | i7-9700E | 2.60 GHz | 12MB | 65W | Intel® UHD Graphics 630 | | | |
| | | | 8/8 | 9700TE | 1.80 GHz | 12MB | 35W | | | | |
| | | | 8/8 | i7-9700K | 3.60 GHz | 12MB | 95W | | | | |
| | | | 8/8 | i7-9700 | 3.00 GHz | 12MB | 65W | | | | |
| | | | 8/8 | i7-9700T | 2.00 GHz | 12MB | 35W | | | | |
| | Core™ i5 | 14nm Coffee Lake refresh | 6/6 | i5-9500E | 3.00 GHz | 9MB | 65W | Intel® UHD Graphics 630 | | | |
| | | | 6/6 | i5-9500TE | 2.20 GHz | 9MB | 35W | | | | |
| | | | 6/6 | i5-9600K | 3.70 GHz | 9MB | 95W | | | | |
| | | | 6/6 | i5-9500 | 3.00 GHz | 9MB | 65W | | | | |
| | | | 6/6 | i5-9400 | 2.90 GHz | 9MB | 65W | | | | |
| | | | 6/6 | i5-9500T | 2.20 GHz | 9MB | 35W | | | | |
| | | | 6/6 | i5-9400T | 1.80 GHz | 9MB | 35W | | | | |
| | Core™ i3 | 14nm Coffee Lake refresh | 4/4 | i3-9100E | 3.10 GHz | 6MB | 65W | Intel® UHD Graphics 630 | | | |
| | | | 4/4 | i3-9100TE | 2.20GHz | 6MB | 35W | | | | |
| | | 14nm Coffee Lake | 4/4 | i3-9100 | 3.60 GHz | 6MB | 65W | | | | |
| | | | 4/4 | i3-9300 | 3.70 GHz | 8MB | 62W | | | | |
| | | | 4/4 | i3-9300T | 3.20 GHz | 8MB | 35W | | | | |
| 4/4 | | | i3-9100T | 3.10 GHz | 6MB | 35W | | | | | |
| 4/4 | | | i3-9350K | 4.00 GHz | 8MB | 91W | | | | | |

黄色代表支持长期供货

CPU 列表

桌面级 Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 | | | | |
|-----------|------------------|---------------------|-------------------|-----------|----------|--------|------|----------------------------------|---------|---|--------------------|---------------------------|---------|---|--------------------|
| FCLGA1151 | Core™ i9 | 14nm Coffee Lake | 8/16 | i9-9900K | 3.60 GHz | 16MB | 95W | Intel® UHD Graphics 630 | 350 MHz | DDR4-2666 | H310/Q370 | | | | |
| | | | 8/8 | i7-9700K | 3.60 GHz | 12MB | 95W | | | | | | | | |
| | Core™ i7 | 14nm Coffee Lake | 6/12 | i7-8700T | 2.40 GHz | 12MB | 35W | | | | | | | | |
| | | | 6/12 | i7-8700K | 3.70 GHz | 12MB | 95W | | | | | | | | |
| | | | 6/12 | i7-8700 | 3.20 GHz | 12MB | 65W | | | | | | | | |
| | | | 6/12 | i7-8086K | 4.00 GHz | 12MB | 95W | | | | | | | | |
| | Core™ i3 | 14nm Coffee Lake | 4/4 | i3-8350K | 4.00 GHz | 8MB | 91W | Intel® UHD Graphics 630 | 350 MHz | DDR4-2400 | H310/Q370 | | | | |
| | | | 4/4 | i3-8300T | 3.20 GHz | 8MB | 35W | | | | | | | | |
| | | 14nm Coffee Lake | 4/4 | i3-8100 | 3.60 GHz | 6MB | 65W | | | | | | | | |
| | | | 4/4 | i3-8100T | 3.10 GHz | 6MB | 35W | | | | | | | | |
| | Core™ i5 | 14nm Coffee Lake | 6/6 | i5-9600K | 3.70 GHz | 9MB | 95W | Intel® UHD Graphics 630 | 350 MHz | DDR4-2666 | H310/Q370 | | | | |
| | | | 6/6 | i5-8600T | 2.30 GHz | 9MB | 35W | | | | | | | | |
| | | | 6/6 | i5-8600K | 3.60 GHz | 9MB | 95W | | | | | | | | |
| | | | 6/6 | i5-8600 | 3.10 GHz | 9MB | 65W | | | | | | | | |
| | | | 6/6 | i5-8500T | 2.10 GHz | 9MB | 35W | | | | | | | | |
| | | | 6/6 | i5-8500 | 3.00 GHz | 9MB | 65W | | | | | | | | |
| | | | 6/6 | i5-8400T | 1.70 GHz | 9MB | 35W | | | | | | | | |
| | | | 6/6 | i5-8400 | 2.80 GHz | 9MB | 65W | | | | | | | | |
| | Pentium® | 14nm Coffee Lake | 2/4 | G5600 | 3.90 GHz | 4MB | 54W | Intel® UHD Graphics 630 | 350 MHz | DDR4-2400 | H310/Q370 | | | | |
| | | | 2/4 | G5500T | 3.20 GHz | 4MB | 35W | | | | | | | | |
| | | | 2/4 | G5500 | 3.80 GHz | 4MB | 54W | | | | | | | | |
| | | | 2/4 | G5400T | 3.10 GHz | 4MB | 35W | | | | | | | | |
| | | | 2/4 | G5400 | 3.70 GHz | 4MB | 58W | | | | | | | | |
| | Celeron® | 14nm Coffee Lake | 2/2 | G4920 | 3.20 GHz | 2MB | 54W | Intel® UHD Graphics 610 | 350 MHz | DDR4-2400 | H310/Q370 | | | | |
| 2/2 | | | G4900T | 2.90 GHz | 2MB | 35W | | | | | | | | | |
| 2/2 | | | G4900 | 3.10 GHz | 2 MB | 54W | | | | | | | | | |
| FCLGA1151 | Core™ i7 | 14nm Kaby Lake | 4/8 | i7-7700 | 3.6GHz | 8 MB | 65W | Intel® HD Graphics 630 | 350 MHz | DDR4-2133/2400, DDR3L-1333/1600 @ 1.35V | C236/Q170/ H110 | | | | |
| | | | 4/8 | i7-7700K | 4.2GHz | 8 MB | 91W | | | | | | | | |
| | | | 4/8 | i7-7700T | 2.9GHz | 8 MB | 35W | | | | | | | | |
| | Core™ i7 | 14nm Skylake | 4/8 | i7-6785R | 3.30 GHz | 8 MB | 65 W | Intel® Iris™ Pro Graphics 580 | 350 MHz | DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V | C236/Q170/ H110 | | | | |
| | | | 4/8 | i7-6700K | 4.00 GHz | 8 MB | 91 W | | | | | | | | |
| | | | 4/8 | i7-6700T | 2.80 GHz | 8 MB | 35 W | | | | | | | | |
| | | | 4/8 | i7-6700 | 3.40 GHz | 8 MB | 65 W | | | | | | | | |
| | | Core™ i5 | 14nm Kaby Lake | 4/4 | i5-7600K | 3.8GHz | 6 MB | 91W | | | | Intel® HD Graphics 630 | 350 MHz | DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V | C236/Q170/ H110 |
| | | | | 4/4 | i5-7600T | 2.8GHz | 6 MB | 35W | | | | | | | |
| | | | | 4/4 | i5-7600 | 3.5GHz | 6 MB | 65W | | | | | | | |
| | | | | 4/4 | i5-7500 | 3.4GHz | 6 MB | 65W | | | | | | | |
| | 4/4 | | | i5-7400T | 2.4GHz | 6 MB | 35W | | | | | | | | |
| | 4/4 | | | i5-7500T | 2.7GHz | 6 MB | 35W | | | | | | | | |
| | 14 nm Skylake | | 4/4 | i5-7400 | 3.5GHz | 6 MB | 65W | | | | | | | | |
| | | | 4/4 | i5-6600 | 3.30 GHz | 6 MB | 65 W | | | | | | | | |
| | | | 4/4 | i5-6600K | 3.50 GHz | 6 MB | 91 W | | | | | | | | |
| | | | 4/4 | i5-6585R | 2.80 GHz | 6 MB | 65 W | | | | | | | | |
| | | | 4/4 | i5-6500 | 3.20 GHz | 6 MB | 65 W | | | | | | | | |
| | | | 4/4 | i5-6500T | 2.50 GHz | 6 MB | 35 W | | | | | | | | |
| | | 4/4 | i5-6402P | 2.80 GHz | 6 MB | 65 W | | | | | | | | | |
| | | 4/4 | i5-6400 | 2.70 GHz | 6 MB | 65 W | | | | | | | | | |
| | Core™ i3 | 14nm Kaby Lake | 2/4 | i3-7350K | 4.2GHz | 4 MB | 60W | Intel® HD Graphics 630 | 350 MHz | DDR4-2133/2400, DDR3L-1333/1600 @ 1.35V | C236/Q170/ H110 | | | | |
| | | | 2/4 | i3-7320 | 4.1GHz | 4 MB | 51W | | | | | | | | |
| | | | 2/4 | i3-7300 | 4.0GHz | 4 MB | 51W | | | | | | | | |
| | | | 2/4 | i3-7300T | 3.5GHz | 4 MB | 35W | | | | | | | | |
| | | | 2/4 | i3-7101E | 3.9GHz | 3 MB | 54W | | | | | | | | |
| | | | 2/4 | i3-7101TE | 3.4GHz | 3 MB | 35W | | | | | | | | |
| | | 14 nm Skylake | 2/4 | i3-7100T | 3.4GHz | 3 MB | 35W | | | | | | | | |
| | | | 2/4 | i3-7100T | 3.9GHz | 3 MB | 51W | | | | | | | | |
| | | | 2/4 | i3-6300 | 3.80 GHz | 4 MB | 51 W | | | | | | | | |
| | | | 2/4 | i3-6300T | 3.30 GHz | 4 MB | 35 W | | | | | | | | |
| | | | 2/4 | i3-6320 | 3.90 GHz | 4 MB | 51 W | | | | | | | | |
| | Core™ i3 | 14 nm Skylake | 2/4 | i3-6100 | 3.70 GHz | 3 MB | 51 W | Intel® HD Graphics 530 | 350 MHz | DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V | C236/Q170/ H110 | | | | |
| | | | 2/4 | i3-6100T | 3.20 GHz | 3 MB | 35 W | | | | | | | | |
| | | | 2/4 | i3-6100TE | 2.70 GHz | 4 MB | 35 W | | | | | | | | |
| | | | 2/4 | i3-6100TE | 2.70 GHz | 4 MB | 35 W | | | | | | | | |

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CPU 列表

桌面级 Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 | |
|-----------|----------|-------------------|----------|----------|----------|------|---------|----------------------------|----------------------------|---|--|---------|
| FCLGA1151 | Pentium® | 14nm Kaby Lake | 2/4 | G4620 | 3.7GHz | 3 MB | 51W | Intel® HD Graphics 630 | 350 MHz | DDR4-2133/2400, DDR3L-1333/1600 @ 1.35V | C236/ Q170/ H110 | |
| | | | 2/4 | G4600T | 3.0GHz | 3 MB | 35W | | | | | |
| | | | 2/4 | G4600T | 3.6GHz | 3 MB | 51W | | | | | |
| | | | 2/4 | G4560T | 2.9GHz | 3 MB | 35W | | | | | |
| | | | 2/4 | G4560 | 3.5GHz | 3 MB | 54W | | | | | |
| | | 14nm Skylake | 2/2 | G4500 | 3.50 GHz | 3 MB | 51W | Intel® HD Graphics 530 | | | | |
| | | | 2/2 | G4500T | 3.00 GHz | 3 MB | 35W | | | | | |
| | | | 2/2 | G4520 | 3.60 GHz | 3 MB | 51W | | | | | |
| | | | 2/2 | G4400 | 3.30 GHz | 3 MB | 54W | | | | | |
| | | | 2/2 | G4400T | 2.90 GHz | 3 MB | 35W | | | | | |
| | Celeron® | 14nm Kaby Lake | 2/2 | G3950 | 3.0GHz | 2 MB | 51W | Intel® HD Graphics 610 | | | | |
| | | | 2/2 | G3930TE | 2.7GHz | 2 MB | 35W | | | | | |
| | | | 2/2 | G3930T | 2.7GHz | 2 MB | 35W | | | | | |
| | | | 2/2 | G3930E | 2.9GHz | 2 MB | 54W | | | | | |
| | | | 2/2 | G3930 | 2.9GHz | 2 MB | 51W | | | | | |
| | | 14 nm Skylake | 2/2 | G3920 | 2.90 GHz | 2 MB | 51 W | Intel® HD Graphics 510 | | | | |
| | | | 2/2 | G3900T | 2.60 GHz | 2 MB | 35 W | | | | | |
| | | | 2/2 | G3900 | 2.80 GHz | 2 MB | 51 W | | | | | |
| | | | 2/2 | G3900TE | 2.30 GHz | 2 MB | 35 W | | | | | |
| | | | 2/2 | G3900TE | 2.30 GHz | 2 MB | 35 W | | | | | |
| FCLGA1150 | Core™ i7 | 22 nm Haswell | 4/4 | i7-4765T | 2 GHz | 8 MB | 35 W | Intel® HD Graphics 4600 | 350 MHz | DDR3-1333/1600, DDR3L-1333/1600 @ 1.5V | C226/ Q87/ H81 C226/ Q87/ H81 | |
| | | | 2/4 | i7-4770 | 3.4 GHz | 8 MB | 84 W | | 350 MHz | | | |
| | | | 4/4 | i7-4770K | 3.5 GHz | 8 MB | 84 W | | 350 MHz | | | |
| | | | 4/8 | i7-4770S | 3.1 GHz | 8 MB | 65 W | | 350 MHz | | | |
| | | | 4/8 | i7-4770T | 2.5 GHz | 8 MB | 45 W | | 350 MHz | | | |
| | | | 4/8 | i7-4771 | 3.5 GHz | 8 MB | 84 W | | 350 MHz | | | |
| | | | 4/8 | i7-4785T | 2.2 GHz | 8 MB | 35 W | | 350 MHz | | | |
| | | | 4/8 | i7-4790 | 3.6 GHz | 8 MB | 84 W | | 350 MHz | | | |
| | | | 4/8 | i7-4790S | 3.2 GHz | 8 MB | 65 W | | 350 MHz | | | |
| | | | 4/8 | i7-4790T | 2.7 GHz | 8 MB | 45 W | | 350 MHz | | | |
| | | | 4/4 | i5-4670 | 3.4 GHz | 6 MB | 84 W | | 350 MHz | | | |
| | | | 4/4 | i5-4670K | 3.4 GHz | 6 MB | 84 W | | 350 MHz | | | |
| | | | 4/4 | i5-4670S | 3.1 GHz | 6 MB | 65 W | | 350 MHz | | | |
| | | | 4/4 | i5-4670T | 2.3 GHz | 6 MB | 45 W | | 350 MHz | | | |
| | | | 4/4 | i5-4690 | 3.5 GHz | 6 MB | 84 W | | 350 MHz | | | |
| | 4/4 | | i5-4690S | 3.2 GHz | 6 MB | 65 W | 350 MHz | | | | | |
| | 4/4 | | i5-4690T | 2.5 GHz | 6 MB | 45 W | 350 MHz | | | | | |
| | 4/4 | | i5-4570 | 3.2 GHz | 6 MB | 84 W | 350 MHz | | | | | |
| | 4/4 | | i5-4570S | 2.9 GHz | 6 MB | 65 W | 350 MHz | | | | | |
| | 2/4 | | i5-4570T | 2.9 GHz | 4 MB | 35 W | 200 MHz | | | | | |
| | 4/4 | | i5-4590 | 3.3 GHz | 6 MB | 84 W | 350 MHz | | | | | |
| | 4/4 | | i5-4590S | 3 GHz | 6 MB | 65 W | 350 MHz | | | | | |
| | 4/4 | | i5-4590T | 2 GHz | 6 MB | 35 W | 350 MHz | | | | | |
| | 4/4 | | i5-4460T | 1.9 GHz | 6 MB | 35 W | 350 MHz | | | | | |
| | 4/4 | | i5-4460S | 2.9 GHz | 6 MB | 65 W | 350 MHz | | | | | |
| | 4/4 | | i5-4460 | 3.2 GHz | 6 MB | 84 W | 350 MHz | | | | | |
| | 4/4 | | i5-4440S | 2.8 GHz | 6 MB | 65 W | 350 MHz | | | | | |
| | 4/4 | | i5-4440 | 3.1 GHz | 6 MB | 84 W | 350 MHz | | | | | |
| | 4/4 | | i5-4430S | 2.7 GHz | 6 MB | 65 W | 350 MHz | | | | | |
| | 4/4 | | i5-4430 | 3 GHz | 6 MB | 84 W | 350 MHz | | | | | |
| | Core™ i3 | | 2/4 | i3-4330 | 3.5 GHz | 4 MB | 54 W | | Intel® HD Graphics 4600 | | | 350 MHz |
| | | | 2/4 | i3-4330T | 3 GHz | 4 MB | 35 W | | | | | 200 MHz |
| | | | 2/4 | i3-4340 | 3.6 GHz | 4 MB | 54 W | | | | | 350 MHz |
| | | | 2/4 | i3-4350 | 3.6 GHz | 4 MB | 54 W | | | | | 350 MHz |
| | | | 2/4 | i3-4350T | 3.1 GHz | 4 MB | 35 W | | | | | 200 MHz |
| | | | 2/4 | i3-4360 | 3.7 GHz | 4 MB | 54 W | | | | | 350 MHz |
| | | | 2/4 | i3-4360T | 3.2 GHz | 4 MB | 35 W | | | | | 200 MHz |
| | | | 2/4 | i3-4370 | 3.8 GHz | 4 MB | 54 W | | | | | 350 MHz |
| | | | 2/4 | i3-4370T | 3.3 GHz | 4 MB | 35 W | | | | | 200 MHz |
| | | | 2/4 | i3-4170T | 3.2 GHz | 3 MB | 35 W | | | | | 200 MHz |
| | | | 2/4 | i3-4170 | 3.7 GHz | 3 MB | 54 W | | | | | 350 MHz |
| | | | 2/4 | i3-4160T | 3.1 GHz | 3 MB | 35 W | | | | | 200 MHz |
| | | | 2/4 | i3-4160 | 3.6 GHz | 3 MB | 54 W | | | | | 350 MHz |
| | | | 2/4 | i3-4150T | 3 GHz | 3 MB | 35 W | | | | | 200 MHz |
| | | | 2/4 | i3-4150 | 3.5 GHz | 3 MB | 54 W | | | | | 350 MHz |
| | 2/4 | | i3-4130T | 2.9 GHz | 3 MB | 35 W | 200 MHz | | | | | |
| | 2/4 | | i3-4130 | 3.4 GHz | 3 MB | 54 W | 350 MHz | | | | | |

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桌面级 Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 | | | |
|-----------|-------------------|--------------|----------|---------|----------|-----------------|----------|--------------------|----------------|--|--------------|------------------------------|----------|---|
| FCLGA1150 | Pentium® | 22nm Haswell | 2/2 | G3470 | 3.6 GHz | 3 MB | 53 W | Intel® HD Graphics | 350 MHz | DDR3-1333/1600, DDR3L-1333/1600 @ 1.5V | C226/Q87/H81 | | | |
| | | | 2/2 | G3460T | 3 GHz | 3 MB | 35 W | | 200 MHz | | | | | |
| | | | 2/2 | G3460 | 3.5 GHz | 3 MB | 53 W | | 350 MHz | | | | | |
| | | | 2/2 | G3450T | 2.9 GHz | 3 MB | 35 W | | 200 MHz | | | | | |
| | | | 2/2 | G3450 | 3.4 GHz | 3 MB | 53 W | | 350 MHz | | | | | |
| | | | 2/2 | G3440T | 2.8 GHz | 3 MB | 35 W | | 200 MHz | | | | | |
| | | | 2/2 | G3440 | 3.3 GHz | 3 MB | 53 W | | 350 MHz | | | | | |
| | | | 2/2 | G3430 | 3.3 GHz | 3 MB | 53 W | | 350 MHz | | | | | |
| | | | 2/2 | G3420T | 2.7 GHz | 3 MB | 35 W | | 200 MHz | | | | | |
| | | | 2/2 | G3420 | 3.2 GHz | 3 MB | 53 W | | 350 MHz | | | | | |
| | | | 2/2 | G3260T | 2.9 GHz | 3 MB | 35 W | | 200 MHz | | | | | |
| | | | 2/2 | G3260 | 3.3 GHz | 3 MB | 53 W | | 350 MHz | | | | | |
| | | | 2/2 | G3258 | 3.2 GHz | 3 MB | 53 W | | 350 MHz | | | | | |
| | | | 2/2 | G3250T | 2.8 GHz | 3 MB | 35 W | | 200 MHz | | | | | |
| | | | 2/2 | G3250 | 3.2 GHz | 3 MB | 53 W | | 350 MHz | | | | | |
| | | | 2/2 | G3240T | 2.7 GHz | 3 MB | 35 W | | 200 MHz | | | | | |
| | | | 2/2 | G3240 | 3.1 GHz | 3 MB | 53 W | | 350 MHz | | | | | |
| | | | 2/2 | G3220T | 2.6 GHz | 3 MB | 35 W | | 200 MHz | | | | | |
| | 2/2 | G3220 | 3 GHz | 3 MB | 53 W | 350 MHz | | | | | | | | |
| | Celeron® | | | 2/2 | G1820 | 2.7 GHz | 2 MB | 53 W | | 350 MHz | | DDR3-1333, DDR3L-1333 @ 1.5V | | |
| | | | | 2/2 | G1820T | 2.4 GHz | 2 MB | 35 W | | 200 MHz | | | | |
| | | | | 2/2 | G1830 | 2.8 GHz | 2 MB | 53 W | | 350 MHz | | | | |
| | | | | 2/2 | G1840 | 2.8 GHz | 2 MB | 53 W | | 350 MHz | | | | |
| | | | | 2/2 | G1840T | 2.5 GHz | 2 MB | 35 W | | 200 MHz | | | | |
| | | | | 2/2 | G1850 | 2.9 GHz | 2 MB | 53 W | | 350 MHz | | | | |
| | | | | LGA1155 | Core™ i7 | 22nm Ivy Bridge | 4/8 | i7-3770T | 2.5 GHz | 8 MB | | | 45 W | - |
| 4/8 | | | | | | | i7-3770S | 3.1 GHz | 8 MB | 65 W | - | | 1.15 GHz | |
| 4/8 | i7-3770K | 3.5 GHz | 8 MB | | | | 77 W | - | 1.15 GHz | | | | | |
| 4/8 | i7-3770 | 3.4 GHz | 8 MB | | | | 77 W | - | 1.15 GHz | | | | | |
| Core™ i7 | 32nm Sandy Bridge | 4/8 | i7-2700K | | 3.5 GHz | 8 MB | 95 W | - | 1.35 GHz | DDR3-1066/1333 | | | | |
| | | 4/8 | i7-2600S | | 2.8 GHz | 8 MB | 65 W | - | 1.35 GHz | | | | | |
| | | 4/8 | i7-2600K | | 3.4 GHz | 8 MB | 95 W | - | 1.35 GHz | | | | | |
| Core™ i5 | 22nm Ivy Bridge | 4/4 | i5-3570T | | 2.3 GHz | 6 MB | 45 W | - | 1.15 GHz | DDR3-1333/1600 | | | | |
| | | 4/4 | i5-3570S | | 3.1 GHz | 6 MB | 65 W | - | 1.15 GHz | | | | | |
| | | 4/4 | i5-3570K | | 3.4 GHz | 6 MB | 77 W | - | 1.15 GHz | | | | | |
| | | 4/4 | i5-3570 | | 3.4 GHz | 6 MB | 77 W | - | 1.15 GHz | | | | | |
| | | 4/4 | i5-3550S | | 3 GHz | 6 MB | 65 W | - | 1.15 GHz | | | | | |
| | | 4/4 | i5-3550 | | 3.3 GHz | 6 MB | 77 W | - | 1.15 GHz | | | | | |
| | | 4/4 | i5-3475S | | 2.9 GHz | 6 MB | 65 W | - | 1.1 GHz | | | | | |
| | | 2/4 | i5-3470T | | 2.9 GHz | 3 MB | 35 W | - | 1.1 GHz | | | | | |
| | | 4/4 | i5-3470S | | 2.9 GHz | 6 MB | 65 W | - | 1.1 GHz | | | | | |
| | | 4/4 | i5-3470 | | 3.2 GHz | 6 MB | 77 W | - | 1.1 GHz | | | | | |
| | | 4/4 | i5-3450S | | 2.8 GHz | 6 MB | 65 W | - | 1.1 GHz | | | | | |
| | | 4/4 | i5-3450 | | 3.1 GHz | 6 MB | 77 W | - | 1.1 GHz | | | | | |
| | | 4/4 | i5-3350P | | 3.1 GHz | 6 MB | 69 W | - | 1.05 GHz | | | | | |
| Core™ i5 | 32nm Sandy Bridge | 4/4 | i5-3330S | 2.7 GHz | 6 MB | 65 W | - | 1.05 GHz | DDR3-1066/1333 | | | | | |
| | | 4/4 | i5-3330 | 3 GHz | 6 MB | 77 W | - | 1.05 GHz | | | | | | |
| | | 4/4 | i5-2550K | 3.4 GHz | 6 MB | 95 W | - | 1.25 GHz | | | | | | |
| | | 4/4 | i5-2500T | 2.3 GHz | 6 MB | 45 W | - | 1.25 GHz | | | | | | |
| | | 4/4 | i5-2500S | 2.7 GHz | 6 MB | 65 W | - | 1.1 GHz | | | | | | |
| | | 4/4 | i5-2500K | 3.3 GHz | 6 MB | 95 W | - | 1.1 GHz | | | | | | |
| | | 4/4 | i5-2500 | 3.3 GHz | 6 MB | 95 W | - | 1.1 GHz | | | | | | |
| | | 4/4 | i5-2450P | 3.2 GHz | 6 MB | 95 W | - | 1.1 GHz | | | | | | |
| | | 4/4 | i5-2405S | 2.5 GHz | 6 MB | 65 W | - | 1.1 GHz | | | | | | |
| | | 4/4 | i5-2400S | 2.5 GHz | 6 MB | 65 W | - | 1.1 GHz | | | | | | |
| | | 4/4 | i5-2400 | 3.1 GHz | 6 MB | 95 W | - | 1.1 GHz | | | | | | |
| | | 2/4 | i5-2390T | 2.7 GHz | 3 MB | 35 W | - | 1.1 GHz | | | | | | |
| | | 4/4 | i5-2380P | 3.1 GHz | 6 MB | 95 W | - | 1.1 GHz | | | | | | |
| 4/4 | i5-2320 | 3 GHz | 6 MB | 95 W | - | 1.1 GHz | | | | | | | | |
| 4/4 | i5-2310 | 2.9 GHz | 6 MB | 95 W | - | 1.1 GHz | | | | | | | | |
| 4/4 | i5-2300 | 2.8 GHz | 6 MB | 95 W | - | 1.1 GHz | | | | | | | | |

黄色代表支持长期供货

CPU 列表

桌面级 Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 芯片组 | | |
|----------|-------------------|-------------------|----------|-----------------|---------|-----------|---------|----------|----------------|-----------------|-----------|----------------|
| LGA1155 | Core™ i3 | 22nm Ivy Bridge | 2/4 | i3-3240T | 2.9 GHz | 3 MB | 35 W | 1.05 GHz | DDR3-1333/1600 | Q77/Q67/B65/H61 | | |
| | | | 2/4 | i3-3240 | 3.4 GHz | 3 MB | 55 W | 1.05 GHz | | | | |
| | | | 2/4 | i3-3225 | 3.3 GHz | 3 MB | 55 W | 1.05 GHz | | | | |
| | | | 2/4 | i3-3220T | 2.8 GHz | 3 MB | 35 W | 1.05 GHz | | | | |
| | | | 2/4 | i3-3220 | 3.3 GHz | 3 MB | 55 W | 1.05 GHz | | | | |
| | Core™ i3 | 32nm Sandy Bridge | 2/4 | i3-2130 | 3.4 GHz | 3 MB | 65 W | 1.1 GHz | DDR3-1066/1333 | | | |
| | | | 2/4 | i3-2125 | 3.3 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | | | 2/4 | i3-2120T | 2.6 GHz | 3 MB | 35 W | 1.1 GHz | | | | |
| | | | 2/4 | i3-2120 | 3.3 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | | | 2/4 | i3-2105 | 3.1 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | | | 2/4 | i3-2102 | 3.1 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | | | 2/4 | i3-2100T | 2.5 GHz | 3 MB | 35 W | 1.1 GHz | | | | |
| | | | 2/4 | i3-2100 | 3.1 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | Pentium® | 22nm Ivy Bridge | 2/2 | G2120 | 3.1 GHz | 3 MB | 55 W | 1.05 GHz | DDR3-1333/1600 | | | |
| | | | 2/2 | G2100T | 2.6 GHz | 3 MB | 35 W | 1.05 GHz | | | | |
| LGA1155 | Pentium® | 32nm Sandy Bridge | 2/2 | G870 | 3.1 GHz | 3 MB | 65 W | 1.1 GHz | DDR3-1066/1333 | | | |
| | | | 2/2 | G860T | 2.6 GHz | 3 MB | 35 W | 1.1 GHz | | | | |
| | | | 2/2 | G860 | 3 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | | | 2/2 | G850 | 2.9 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | | | 2/2 | G840 | 2.8 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | | | 2/2 | G645T | 2.5 GHz | 3 MB | 35 W | 1.1 GHz | | | | |
| | | | 2/2 | G645 | 2.9 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | | | 2/2 | G640T | 2.4 GHz | 3 MB | 35 W | 1.1 GHz | | | | |
| | | | 2/2 | G640 | 2.8 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | | | 2/2 | G632 | 2.7 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | | | 2/2 | G630T | 2.3 GHz | 3 MB | 35 W | 1.1 GHz | | | | |
| | | | 2/2 | G630 | 2.7 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | | | 2/2 | G622 | 2.6 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | | | 2/2 | G620T | 2.2 GHz | 3 MB | 35 W | 1.1 GHz | | | | |
| | | | 2/2 | G620 | 2.6 GHz | 3 MB | 65 W | 1.1 GHz | | | | |
| | | | Celeron® | 22nm Ivy Bridge | 2/2 | G1610 | 2.6 GHz | 2 MB | 55 W | 1.05 GHz | DDR3-1066 | |
| | | | | | 2/2 | G1620 | 2.7 GHz | 2 MB | 55 W | 1.05 GHz | | |
| | | | | | 2/2 | G1610T | 2.3 GHz | 2 MB | 35 W | 1.05 GHz | | |
| | 32nm Sandy Bridge | 2/2 | | G555 | 2.7 GHz | 2 MB | 65 W | 1 GHz | | | | |
| | | 2/2 | | G550T | 2.2 GHz | 2 MB | 35 W | 1 GHz | | | | |
| | | 2/2 | | G550 | 2.6 GHz | 2 MB | 65 W | 1 GHz | | | | |
| | Celeron® | 32nm Sandy Bridge | 2/2 | G540T | 2.1 GHz | 2 MB | 35 W | 1 GHz | | | | |
| | | | 2/2 | G540 | 2.5 GHz | 2 MB | 65 W | 1 GHz | | | | |
| | | | 2/2 | G530T | 2 GHz | 2 MB | 35 W | 1 GHz | | | | |
| | | | 2/2 | G530 | 2.4 GHz | 2 MB | 65 W | 1 GHz | | | | |
| | | | 1/2 | G465 | 1.9 GHz | 1.5 MB | 35 W | 1 GHz | | | | |
| | | | 1/2 | G460 | 1.8 GHz | 1.5 MB | 35 W | 1 GHz | | | | |
| | | | 1/1 | G440 | 1.6 GHz | 1 MB | 35 W | 1 GHz | | | | |
| | | | LGA1156 | Core™ i7 | 45nm | Quad Core | i7-880 | 2.93G | 8M | 95W | - | DDR3-1333/1600 |
| | | | | | | | i7-875K | 2.93G | 8M | 95W | - | |
| i7-870S | 2.66G | 8M | | | | | 82W | - | | | | |
| i7-870 | 2.93G | 8M | | | | | 95W | - | | | | |
| i7-860S | 2.53G | 8M | | | | | 82W | - | | | | |
| i7-860 | 2.8G | 8M | | | | | 95W | - | | | | |
| Core™ i5 | 45nm | Quad Core | | i5-760 | 2.8G | 8M | 95W | - | | | | |
| | | | | i5-750S | 2.4G | 8M | 82W | - | | | | |
| | | | | i5-750 | 2.66G | 8M | 95W | - | | | | |
| Core™ i5 | 32nm | Dual Core | | i5-680 | 3.6G | 4M | 73W | 733MHz | | | | |
| | | | | i5-670 | 3.46G | 4M | 73W | 733MHz | | | | |
| | | | | i5-661 | 3.33G | 4M | 87W | 900MHz | | | | |
| | | | | i5-660 | 3.33G | 4M | 73W | 733MHz | | | | |
| | | | | i5-665K | 3.2G | 4M | 73W | 733MHz | | | | |
| | | | | i5-650 | 3.2G | 4M | 73W | 733MHz | | | | |
| | | | | i3-560 | 3.33G | 4M | 73W | 733MHz | | | | |
| | | | | i3-550 | 3.2G | 4M | 73W | 733MHz | | | | |
| | | | | i3-540 | 3.06G | 4M | 73W | 733MHz | | | | |
| Core™ i3 | 32nm | Dual Core | | i3-530 | 2.93G | 4M | 73W | 733MHz | | | | |
| | | | | G6960 | 2.933G | 3M | 73W | 533MHz | | | | |
| | | | | G6950 | 2.8G | 3M | 73W | 533MHz | | | | |
| Pentium® | 32nm | Dual Core | | G6960 | 2.933G | 3M | 73W | 533MHz | | | | |
| | | | | G6950 | 2.8G | 3M | 73W | 533MHz | | | | |

黄色代表支持长期供货 *HM65/HM55 chipset doesn't support Intel® AMT feature

CPU 列表

Meteor Lake U/H

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 |
|-----------|----------------------|---------------|-------|-------|--|-------|-----|----------------------|-------------------------------|-------------------------------|-----|
| FCBGA2049 | Intel® Core™ Ultra 7 | Meteor Lake H | 16/22 | 165H | 1.40 GHz(Performance-core) 0.90 GHz(Efficient-core) | 24 MB | 28W | Intel® ARC® Graphics | 2.3 GHz | LPDDR5/x 7467 DDR5 5600 | - |
| | | | | 155H | 1.40 GHz(Performance-core) 0.90 GHz(Efficient-core) | 24 MB | 28W | | | | - |
| | | | 14/18 | 135H | 1.70 GHz(Performance-core) 1.20 GHz(Efficient-core) | 18 MB | 28W | Intel® ARC® Graphics | | LPDDR5/x 7467 DDR5 5600 | - |
| | | | | 125H | 1.20 GHz(Performance-core) 0.70 GHz(Efficient-core) | 18 MB | 28W | | | | - |
| | Intel® Core™ Ultra 5 | Meteor Lake U | 12/14 | 165U | 1.70 GHz(Performance-core) 1.20 GHz(Efficient-core) | 12 MB | 15W | Intel® ARC® Graphics | LPDDR5/x 7467 DDR5 5600 | - | |
| | | | | 155U | 1.70 GHz(Performance-core) 1.20 GHz(Efficient-core) | 12 MB | 15W | | | - | |
| | | | 12/14 | 135U | 1.60 GHz(Performance-core) 1.10 GHz(Efficient-core) | 12 MB | 15W | Intel® ARC® Graphics | | LPDDR5/x 7467 DDR5 5600 | - |
| | | | | 125U | 1.30 GHz(Performance-core) 0.80 GHz(Efficient-core) | 12 MB | 15W | | | | - |

Alder Lake-P/Raptor Lake-P

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 | |
|-----------|---------------------------------|---------------------------------|--|--|--|--|---------------------|---------------------------|---------------------------|---------------------------|----------|---|
| FCBGA1744 | 13th Gen Intel® Core™ Processor | Raptor Lake-P P-Series | 14/20 | i7-1370PE | 1.90 GHz (Performance-core) 1.20 GHz (Efficient-core) | 24 MB | 28W | Intel® Iris® X e Graphics | 1.4 GHz | DDR5-5200 LPDDR5x-6400 | - | |
| | | | 12/16 | i5-1350PE | 1.80 GHz (Performance-core) 1.30 GHz (Efficient-core) | 12 MB | 28W | | - | | | |
| | | | 12/16 | i3-1340PE | 1.80 GHz (Performance-core) 1.30 GHz (Efficient-core) | 12 MB | 28W | Intel® UHD Graphics | 1.35 GHz | | - | |
| | | | 8/12 | i3-1320PE | 1.70 GHz (Performance-core) 1.20 GHz (Efficient-core) | 12 MB | 28W | | - | | | |
| | | Raptor Lake-P U-Series | 10/12 | i7-1365UE | 1.70 GHz (Performance-core) 1.20 GHz (Efficient-core) | 12 MB | 15W | Intel® Iris® X e Graphics | 1.3 GHz | | - | |
| | | | 10/12 | i5-1345UE | 1.40 GHz (Performance-core) 1.10 GHz (Efficient-core) | 12 MB | 15W | | 1.25 GHz | | - | |
| | | | 6/8 | i3-1315UE | 1.20 GHz (Performance-core) 0.90 GHz (Efficient-core) | 10 MB | 15W | Intel® UHD Graphics | 1.2 GHz | | - | |
| | | | 5/6 | U300E | 1.10 GHz (Performance-core) 0.90 GHz (Efficient-core) | 8 MB | 15W | | 1.1 GHz | | - | |
| | | 12th Gen Intel® Core™ Processor | Alder Lake-P P-Series | 12/16 | i7-1270PE | 1.80 GHz (Performance-core) 1.20 GHz (Efficient-core) | 18 MB | 28W | Intel® Iris® X e Graphics | | 1.35 GHz | - |
| | | | | 12/16 | i5-1250PE | 1.70 GHz (Performance-core) 1.20 GHz (Efficient-core) | 12 MB | 28W | | | 1.3 GHz | - |
| | 8/12 | | | i3-1220PE | 1.50 GHz (Performance-core) 1.10 GHz (Efficient-core) | 12 MB | 28W | Intel® UHD Graphics | 1.25 GHz | - | | |
| | Alder Lake-P U-Series | | 10/12 | i7-1265UE | 1.70 GHz (Performance-core) 1.20 GHz (Efficient-core) | 12 MB | 15W | Intel® Iris® X e Graphics | 1.25 GHz | DDR5-4800 LPDDR5x-5200 | - | |
| | | 10/12 | i5-1245UE | 1.50 GHz (Performance-core) 1.10 GHz (Efficient-core) | 12 MB | 15W | 1.2 GHz | | - | | | |
| | | 6/8 | i3-1215UE | 1.20 GHz (Performance-core) 0.90 GHz (Efficient-core) | 10 MB | 15W | Intel® UHD Graphics | 1.1 GHz | - | | | |
| 5/5 | | 7305E | 1.00 GHz (Performance-core) 0.90 GHz (Efficient-core) | 8 MB | 15W | 1.1 GHz | | - | | | | |

黄色代表支持长期供货

CPU 列表

ULT/UP3 CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 | | |
|-----------|-----------|---------------------|-----------|-------------------|----------------------------|------------------------|---------------------|---|---------------------------------------|--|------------------------|---------------------------------------|---|
| FCBGA1449 | Core™ i7 | 10nm Tiger Lake-UP3 | 4/8 | i7-1185G7E | 2.8GHz/ 1.8GHz/ 1.2GHz | 12MB | 28W/ 15W/ 12W | Intel® Iris® Xe Graphics 96 EU 4x4k or 2x8k Displays 2 VDBOX | 1.35 GHz | DDR4-3200, LPDDR4x-4267 | - | | |
| | | | | i7-1185GRE | | | | | | DDR4-3200, LPDDR4x-4267, In-Band ECC | - | | |
| | Core™ i5 | | 4/8 | i5-1145G7E | 2.6GHz/ 1.5GHz/ 1.1GHz | 8MB | 28W/ 15W/ 12W | Intel® Iris® Xe Graphics 80 EU 4x4k or 2x8k Displays 2 VDBOX | 1.30 GHz | DDR4-3200, LPDDR4x-4267 | - | | |
| | | | | i5-1145GRE | | | | | | DDR4-3200, LPDDR4x-4267, In-Band ECC | - | | |
| | Core™ i3 | | 2/4 | i3-1115G4E | 3.0GHz/ 2.2GHz/ 1.7 GHz | 6MB | 28W/ 15W/ 12W | Intel® UHD Graphics 48EU 4x4k or 1x8k Displays 1 VDBOX | 1.25 GHz | DDR4-3200, LPDDR4x-3733 | - | | |
| | | | | i3-1115GRE | | | | | | DDR4-3200, LPDDR4x-3733, In -Band ECC | - | | |
| | Celeron® | | 2/2 | 6305E | 1.8 GHz | 4MB | 15W | Intel® UHD Graphics 48EU 4x4k or 1x8k Displays 1 VDBOX | 1.25 GHz | DDR4-3200, LPDDR4x-3733 | - | | |
| | FCBGA1528 | | Core™ i7 | 14nm Whiskey Lake | 4/8 | i7-8565U | 1.8GHz | 8MB | 15W | Intel® UHD Graphics 620 | 300 MHz | DDR4-2400, LPDDR3-2133 | - |
| | | | | | | i7-8665U | 1.9GHz | 8MB | 15W | | | | - |
| | | | | | | i7-8665UE | 1.7GHz | 8MB | 15W | | | | - |
| Core™ i5 | | 4/8 | i5-8265U | | 1.6GHz | 6MB | 15W | - | | | | | |
| | | | i5-8365U | | 1.6GHz | 6MB | 15W | - | | | | | |
| | | | i5-8365UE | | 1.6GHz | 6MB | 15W | - | | | | | |
| Core™ i3 | | 2/4 | i3-8145U | | 2.10 GHz | 4MB | 15W | - | | | | | |
| | | | i3-8145UE | | 2.2GHz | 4MB | 15W | - | | | | | |
| Pentium® | | 2/4 | 5405U | | 2.3GHz | 2MB | 15W | - | | | | | |
| | | | Celeron® | | 2/2 | 4205U | 1.8GHz | 2MB | 15W | Intel® UHD Graphics 610 | DDR4-2133, LPDDR3-1866 | - | |
| | | 4305UE | | 2.00GHz | | 2MB | 15W | DDR4-2133, LPDDR3-1866 | - | | | | |
| FCBGA1356 | Core™ i7 | 14nm Coffee lake | 4/8 | i7-8559U | 2.70 GHz | 8MB | 28W | Intel® Iris™ Plus Graphics 655 | 300 MHz | DDR4-2400, LPDDR3-2133 | - | | |
| | | | | i5-8269U | 2.60 GHz | 6MB | 28W | | | | - | | |
| | Core™ i5 | | 4/8 | i5-8259U | 2.30 GHz | 6MB | 28W | - | | | | | |
| | | | | Core™ i3 | 2/4 | i3-8109U | 3.00 GHz | 4MB | 28W | - | | | |
| FCBGA1356 | Core™ i7 | 14nm Kabylake | 2/4 | | | i7-7660U | 2.5GHz | 4MB | 15W | Intel® Iris™ Plus Graphics 640 | 300 MHz | DDR4-2133, LPDDR3-1866, DDR3L-1600 | - |
| | | | | i7-7600U | 2.8GHz | 4MB | 15W | Intel® HD Graphics 620 | - | | | | |
| | | | | i7-7567U | 3.5GHz | 4MB | 28W | Intel® Iris™ Plus Graphics 650 | - | | | | |
| | | | | i7-7560U | 2.4GHz | 4MB | 15W | Intel® Iris™ Plus Graphics 640 | - | | | | |
| | | | | i7-7500U | 2.70 GHz | 4MB | 15 W | Intel® HD Graphics 620 | - | | | | |
| | | | | Core™ i5 | 2/4 | i5-7360U | 2.3GHz | 4MB | 15W | Intel® Iris™ Plus Graphics 640 | | | - |
| | | | | | | i5-7300U | 2.6GHz | 3MB | 15W | Intel® HD Graphics 620 | | | - |
| | | | | | | i5-7287U | 3.3GHz | 4MB | 28W | Intel® Iris™ Plus Graphics 650 | | | - |
| | i5-7267U | | 3.1GHz | | | 4MB | 28W | Intel® Iris™ Plus Graphics 650 | - | | | | |
| | Core™ i3 | | 2/4 | i5-7260U | 2.2GHz | 4MB | 15W | Intel® Iris™ Plus Graphics 640 | - | | | | |
| | | | | i5-7200U | 2.50 GHz | 3MB | 15W | Intel® HD Graphics 620 | - | | | | |
| | | | | i3-8130U | 2.20 GHz | 4MB | 15W | Intel® HD Graphics 620 | DDR4-2400, LPDDR3-2133 | | | | |
| | | | | i3-7130U | 2.7GHz | 3MB | 15W | Intel® HD Graphics 620 | - | | | | |
| | Pentium® | | 2/4 | i3-7167U | 2.8GHz | 3MB | 28W | Intel® Iris™ Plus Graphics 650 | - | | | | |
| | | | | i3-7100U | 2.40 GHz | 3MB | 15W | Intel® HD Graphics 620 | DDR4-2133, LPDDR3-1866, DDR3L-1600 | | | | |
| | | | | Celeron® | 2/2 | 4415U | 2.3GHz | 2MB | 15W | Intel® HD Graphics 610 | - | | |
| 3965U | | 2.2GHz | | | | 2MB | 15W | Intel® HD Graphics 610 | - | | | | |
| | | 3865U | 1.8GHz | 2MB | 15W | Intel® HD Graphics 610 | - | | | | | | |
| FCBGA1356 | Core™ i7 | 14nm Skylake | 2/4 | i7-6500U | 2.50 GHz | 4 MB | 15 W | Intel® HD Graphics 520 | 300 MHz | DDR4-2133, LPDDR3-1866, DDR3L-1600 | - | | |
| | | | | i7-6560U | 2.20 GHz | 4 MB | 15 W | Intel® Iris™ Graphics 540 | | | - | | |
| | | | | i7-6567U | 3.30 GHz | 4 MB | 28 W | Intel® Iris™ Graphics 550 | | | - | | |
| | | | | i7-6600U | 2.60 GHz | 4 MB | 15 W | Intel® HD Graphics 520 | | | - | | |
| | | | | i7-6660U | 2.40 GHz | 4 MB | 15 W | Intel® Iris™ Graphics 540 | | | - | | |
| | | | | i7-6650U | 2.20 GHz | 4 MB | 15 W | Intel® Iris™ Graphics 540 | | | - | | |

黄色代表支持长期供货

CPU 列表

ULT/UP3 CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 |
|-----------|----------|----------------|-------|----------|----------|------|------|---------------------------|---------|---|-----|
| FCBGA1356 | Core™ i5 | 14nm Skylake | 2/4 | i5-6287U | 3.10 GHz | 4 MB | 28 W | Intel® Iris™ Graphics 550 | 300 MHz | DDR4-2133, LPDDR3-1866, DDR3L-1600 | - |
| | | | 2/4 | i5-6267U | 2.90 GHz | 4 MB | 28 W | | | | - |
| | | | 2/4 | i5-6260U | 1.80 GHz | 4 MB | 15 W | | | | - |
| | | | 2/4 | i5-6200U | 2.30 GHz | 3 MB | 15 W | - | | | |
| | | | 2/4 | i5-6300U | 2.40 GHz | 3 MB | 15 W | - | | | |
| | | | 2/4 | i5-6360U | 2.00 GHz | 4 MB | 15 W | - | | | |
| | Core™ i3 | | 2/4 | i3-6006U | 2.00 GHz | 3 MB | 15 W | Intel® HD Graphics 520 | | - | |
| | | | 2/4 | i3-6167U | 2.70 GHz | 3 MB | 28 W | Intel® Iris™ Graphics 550 | | - | |
| | | | 2/4 | i3-6157U | 2.40 GHz | 3 MB | 28 W | Intel® HD Graphics 520 | | - | |
| | Pentium® | | 2/4 | 4405U | 2.10 GHz | 2 MB | 15 W | | | DDR4-1866/2133, LPDDR3-1600/1866 | - |
| | Celeron® | | 2/2 | 3855U | 1.60 GHz | 2 MB | 15 W | Intel® HD Graphics 510 | | DDR4-1866/2133, LPDDR3-1600/1866, DDR3L-1333/1600 | - |
| | | | 2/2 | 3955U | 2.00 GHz | 2 MB | 15 W | | | | - |
| FCBGA1168 | Core™ i7 | 14nm Broadwell | 2/4 | i7-5650U | 2.2 GHz | 4 MB | 15 W | Intel® HD Graphics 6000 | 300 MHz | DDR3L 1333/1600, LPDDR3 1600/1866 | - |
| | Core™ i5 | | 2/4 | i5-5350U | 1.8 GHz | 3 MB | 15 W | | 300 MHz | | - |
| | Core™ i3 | | 2/4 | i3-5010U | 2.1 GHz | 3 MB | 15 W | Intel® HD Graphics 5500 | 300 MHz | DDR3L 1333/1600, LPDDR 1333/1600 | - |
| | Celeron® | | 2/2 | 3765U | 1.9 GHz | 2 MB | 15 W | Intel® HD Graphics | 300 MHz | | - |
| | Core™ i7 | 22nm Haswell | 2/4 | i7-4650U | 1.7 GHz | 4 MB | 15 W | Intel® HD Graphics 5000 | 200 MHz | DDR3L 1333/1600, LPDDR3 1333/1600 | - |
| | Core™ i5 | | 2/4 | i5-4300U | 1.9 GHz | 3 MB | 15 W | Intel® HD Graphics 4400 | 200 MHz | | - |
| | Core™ i3 | | 2/4 | i3-4010U | 1.7 GHz | 3 MB | 15 W | | 200 MHz | | - |
| | Celeron® | | 2/2 | 2980U | 1.6 GHz | 2 MB | 15 W | Intel® HD Graphics | 200 MHz | | - |

Mobile Core™ i7/i5/i3/Celeron® CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 |
|-----------|------------|--------------------------|-------|------------|-------------------------|------|------|--------------------------------|---------|------------------------------------|-------|
| FCLGA1151 | Xeon® E | 14nm Coffee Lake refresh | 8/16 | E-2288G | 3.70 GHz | 16MB | 95W | Intel® UHD Graphics P630 | 350MHz | DDR4-2666 | C246 |
| | | | 6/12 | E-2286G | 4.00 GHz | 12MB | 95W | N/A | N/A | | C240 |
| | | | 8/16 | 2278GE | 3.30 GHz | 16MB | 80W | Intel® UHD Graphics P630 | 350MHz | | C246 |
| | | | 8/16 | 2278GEL | 2.00 GHz | 16MB | 35W | | | | C240 |
| | | | 8/16 | E-2278G | 3.40 GHz | 16MB | 80W | N/A | N/A | | |
| | | | 6/12 | E-2276G | 3.80 GHz | 12MB | 80W | | | | |
| | | | 4/8 | E-2274G | 4.00 GHz | 8MB | 83W | Intel® UHD Graphics P630 | 350MHz | | C246 |
| | | | 6/12 | E-2246G | 3.60 GHz | 12MB | 80W | | | | |
| | | | 4/8 | E-2244G | 3.80 GHz | 8MB | 71W | | | | |
| | | | 6/12 | E-2236 | 3.40 GHz | 12MB | 80W | N/A | N/A | | C240 |
| | | | 4/8 | E-2234 | 3.60 GHz | 8MB | 71W | | | | |
| | | | 6/6 | E-2226G | 3.40 GHz | 12MB | 80W | Intel® UHD Graphics P630 | 350MHz | | C246 |
| | | | 6/6 | E-2226GE | 3.40 GHz | 12MB | 80W | | | | |
| 4/4 | E-2224 | 3.40 GHz | 8MB | 71W | N/A | N/A | C240 | | | | |
| FCBGA1440 | Xeon® E | 14nm Coffee lake | 6/12 | E-2186M | 2.90 GHz | 12MB | 45W | Intel® UHD Graphics P630 | 350 MHz | DDR4-2666, LPDDR3-2133 | CM246 |
| | | | 6/12 | E-2176M | 2.70 GHz | 12MB | 45W | | | | |
| | Xeon® E3 | 14nm Kabylake | 4/8 | E3-1535MV6 | 3.10 GHz | 8 MB | 45W | Intel® HD Graphics P630 | 350 MHz | DDR4-2400, LPDDR3-2133, DDR3L-1600 | CM236 |
| | | | 4/8 | E3-1505MV6 | 3.00 GHz | 8 MB | 45 W | | | | |
| | | | 4/8 | E3-1505LV6 | 2.20 GHz | 8 MB | 25 W | | | | |
| | | | 4/4 | E3-1501LV6 | 2.10 GHz | 6 MB | 25 W | | | | |
| | Xeon® E3 | 14nm Skylake | 4/4 | E3-1501MV6 | 2.90 GHz | 6 MB | 45 W | | | | |
| | | | 4/8 | E3-1575MV5 | 3.00 GHz | 8 MB | 45 W | Intel® Iris™ Pro Graphics P580 | 350 MHz | DDR4-2133, LPDDR3-1866, DDR3L-1600 | CM236 |
| | | | 4/8 | E3-1545MV5 | 2.90 GHz | 8 MB | 45 W | Intel® HD Graphics P530 | | | |
| | | | 4/8 | E3-1535MV5 | 2.90 GHz | 8 MB | 45 W | Intel® Iris™ Pro Graphics P580 | | | |
| 4/8 | E3-1515MV5 | 2.80 GHz | 8 MB | 45 W | Intel® HD Graphics P530 | | | | | | |
| 4/8 | E3-1505MV5 | 2.80 GHz | 8 MB | 45 W | | | | | | | |

黄色代表支持长期供货

CPU 列表

Mobile Core™ i7/i5/i3/Celeron® CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 |
|-----------|----------|------------------------|-----------|-----------|----------|------|---------------------------------------|----------------------------------|---------|---------------------------------------|-----------------|
| FCBGA1440 | Core™ i9 | 14nm Coffee lake | 6/12 | i9-8950HK | 2.90 GHz | 12MB | 45W | Intel® UHD Graphics 630 | 350 MHz | DDR4-2666, LPDDR3-2133 | CM246 |
| | | | 6/12 | i7-8850H | 2.60 GHz | 9MB | 45W | | | | |
| | 6/12 | | i7-8750H | 2.20 GHz | 9MB | 45W | | | | | |
| | 6/12 | | i7-8700B | 3.20 GHz | 12MB | 65W | DDR4-2666 | | | | |
| | 6/6 | | i5-8500B | 3.00 GHz | 9MB | 65W | | | | | |
| | 4/8 | | i5-8400H | 2.50 GHz | 8MB | 45W | | | | | |
| | 6/6 | | i5-8400B | 2.80 GHz | 9MB | 65W | | | | | |
| | 4/8 | | i5-8300H | 2.30 GHz | 8MB | 45W | DDR4-2666, LPDDR3-2133 | | | | |
| | 4/4 | | i3-8100H | 3.00 GHz | 6MB | 35W | | | | | |
| FCBGA1440 | Core™ i7 | 14nm Kabylake | 4/8 | i7-7920HQ | 3.10 GHz | 8 MB | 45W | Intel® HD Graphics 630 | 350MHz | DDR4-2400, LPDDR3-2133, DDR3L-1600 | CM236 |
| | | | 4/8 | i7-7820HQ | 2.90 GHz | 8 MB | 45W | | | | |
| | | | 4/8 | i7-7820HK | 2.90 GHz | 8 MB | 45W | | | | |
| | | | 4/8 | i7-7820EQ | 3.00 GHz | 8 MB | 45W | | | | |
| | | | 4/8 | i7-7700HQ | 2.80 GHz | 6 MB | 45W | | | | |
| | 4/4 | | i5-7442EQ | 2.10 GHz | 6 MB | 25W | DDR4-2400 | | | | |
| | 4/4 | | i5-7440HQ | 2.80 GHz | 6 MB | 45W | | | | | |
| | 4/4 | | i5-7440EQ | 2.90 GHz | 6 MB | 45W | | | | | |
| | 4/4 | | i5-7300HQ | 2.50 GHz | 6 MB | 45W | DDR4-2400, LPDDR3-2133, DDR3L-1600 | | | | |
| | 2/4 | | i3-7102E | 2.10 GHz | 3 MB | 25W | | | | | |
| | 2/4 | | i3-7100E | 2.90 GHz | 3 MB | 35W | | | | | |
| FCBGA1440 | Core™ i7 | 14nm Skylake | 4/8 | i7-6820EQ | 2.80 GHz | 8 MB | 45 W | Intel® HD Graphics 530 | 350 MHz | DDR4-2133, LPDDR3-1866, DDR3L-1600 | QM170/ HM170 |
| | | | 4/8 | i7-6822EQ | 2.00 GHz | 8 MB | 25 W | Intel® Iris™ Pro Graphics 580 | | | |
| | | | 4/8 | i7-6700HQ | 2.60 GHz | 6 MB | 45 W | Intel® HD Graphics 530 | | | |
| | | | 4/8 | i7-6770HQ | 2.60 GHz | 6 MB | 45 W | Intel® Iris™ Pro Graphics 580 | | | |
| | | | 4/8 | i7-6820HK | 2.70 GHz | 8 MB | 45 W | Intel® HD Graphics 530 | | | |
| | | | 4/8 | i7-6820HQ | 2.70 GHz | 8 MB | 45 W | Intel® Iris™ Pro Graphics 580 | | | |
| | | | 4/8 | i7-6870HQ | 2.70 GHz | 8 MB | 45 W | Intel® HD Graphics 530 | | | |
| | | | 4/8 | i7-6920HQ | 2.90 GHz | 8 MB | 45 W | Intel® Iris™ Pro Graphics 580 | | | |
| | | | 4/8 | i7-6970HQ | 2.80 GHz | 8 MB | 45 W | Intel® HD Graphics 530 | | | |
| FCBGA1440 | Core™ i5 | 14nm Skylake | 4/4 | i5-6442EQ | 1.90 GHz | 6 MB | 25 W | Intel® HD Graphics 530 | 350 MHz | DDR4-2133, LPDDR3-1866, DDR3L-1600 | QM170/ HM170 |
| | | | 4/4 | i5-6440EQ | 2.70 GHz | 6 MB | 45 W | | | | |
| | | | 4/4 | i5-6300HQ | 2.30 GHz | 6 MB | 45 W | | | | |
| | 4/4 | | i5-6350HQ | 2.30 GHz | 6 MB | 45 W | Intel® Iris™ Pro Graphics 580 | | | | |
| | 4/4 | | i5-6440HQ | 2.60 GHz | 6 MB | 45 W | Intel® HD Graphics 530 | | | | |
| | 2/4 | | i3-6102E | 1.90 GHz | 3 MB | 25 W | | | | | |
| | 2/4 | | i3-6100E | 2.70 GHz | 3 MB | 35 W | | | | | |
| | 2/4 | | i3-6100H | 2.70 GHz | 3 MB | 35 W | Intel® HD Graphics 510 | | | | |
| | 2/2 | | G3900E | 2.40 GHz | 2 MB | 35 W | | | | | |
| 2/2 | G3902E | 1.60 GHz | 2 MB | 25 W | | | | | | | |
| FCBGA1364 | Core™ i7 | 22nm Haswell | 4/8 | i7-4700EC | 2.7 GHz | 8 MB | 43 W | Intel® HD Graphics 4600 | 400 MHz | DDR3L 1333/1600 | QM87/ HM86 |
| | | | 4/8 | i7-4700EQ | 2.4 GHz | 6 MB | 47 W | Intel® HD Graphics 4600 | 400 MHz | | |
| | | | 4/8 | i7-4702EC | 2 GHz | 8 MB | 27 W | None | 400 MHz | | |
| | 2/4 | | i5-4422E | 1.8 GHz | 3 MB | 25 W | Intel® HD Graphics 4600 | 400 MHz | | | |
| | 2/4 | | i5-4410E | 2.9 GHz | 3 MB | 37 W | Intel® HD Graphics 4600 | 400 MHz | | | |
| | 2/4 | | i5-4402EC | 2.5 GHz | 4 MB | 27 W | None | - | | | |
| | 2/4 | | i5-4402E | 1.6 GHz | 3 MB | 25 W | Intel® HD Graphics 4600 | 400 MHz | | | |
| | 2/4 | | i5-4400E | 2.7 GHz | 3 MB | 37 W | | 400 MHz | | | |
| | 2/4 | | i3-4100E | 2.4 GHz | 3 MB | 37 W | | 400 MHz | | | |
| | 2/4 | | i3-4102E | 1.6 GHz | 3 MB | 25 W | Intel® HD Graphics 4600 | 400 MHz | | | |
| | 2/4 | | i3-4110E | 2.6 GHz | 3 MB | 37 W | | 400 MHz | | | |
| | 2/4 | | i3-4112E | 1.8 GHz | 3 MB | 25 W | | 400 MHz | | | |
| | 2/2 | | 2002E | 1.5 GHz | 2 MB | 25 W | Intel® HD Graphics | 400 MHz | | | |
| | 2/2 | | 2000E | 2.2 GHz | 2 MB | 37 W | | 400 MHz | | | |

黄色代表支持长期供货 *HM65/HM55 chipset doesn't support Intel® AMT feature

CPU 列表

Mobile Core™ i7/i5/i3/Celeron® CPU 列表

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 | 芯片组 | |
|----------|--------------------------|-------------------|-------------------|---------|-----------|----------|----------|----------|----------------|---------------------|-------------------------|------------------------|-------------------------|
| rPGA988B | Core™ i7 Extreme Edition | 22nm Ivy Bridge | 4/8 | PGA | i7-3940XM | 3 GHz | 8 MB | 55 W | - | 1.35 GHz | DDR3/L-RS 1333/1600 | QM77/ QM67 | |
| | | | 4/8 | | i7-3920XM | 2.9 GHz | 8 MB | 55 W | - | 1.3 GHz | | | |
| | Core™ i7 Extreme Edition | 32nm Sandy Bridge | 4/8 | | i7-2960XM | 2.7 GHz | 8 MB | 55 W | - | 1.3 GHz | DDR3- 1066/1333/1600 | | |
| | | | 4/8 | | i7-2920XM | 2.5 GHz | 8 MB | 55 W | - | 1.3 GHz | | | |
| | Core™ i7 | 22nm Ivy Bridge | 4/8 | | i7-3840QM | 2.8 GHz | 8 MB | 45 W | - | 1.3 GHz | DDR3/L-RS 1333/1600 | QM77/ QM67/ HM65 | |
| | | | 4/8 | | i7-3820QM | 2.7 GHz | 8 MB | 45 W | - | 1.25 GHz | | | |
| | | | 4/8 | | i7-3740QM | 2.7 GHz | 6 MB | 45 W | - | 1.3 GHz | | | |
| | | | 4/8 | | i7-3720QM | 2.6 GHz | 6 MB | 45 W | - | 1.25 GHz | | | |
| | | | 4/8 | | i7-3632QM | 2.2 GHz | 6 MB | 35 W | - | 1.15 GHz | | | |
| | | | 4/8 | | i7-3630QM | 2.4 GHz | 6 MB | 45 W | - | 1.15 GHz | | | |
| | | | 4/8 | | i7-3612QM | 2.1 GHz | 6 MB | 35 W | - | 1.1 GHz | | | |
| | | | 4/8 | | i7-3610QM | 2.3 GHz | 6 MB | 45 W | - | 1.1 GHz | | | |
| | | | 4/8 | | i7-3610QE | 2.3 GHz | 6 MB | 45 W | - | 1.0 GHz | | | DDR3/L 1333/1600 |
| | | | 2/4 | | i7-3520M | 2.9 GHz | 4 MB | 35 W | - | 1.25 GHz | | | DDR3/L-RS 1333/1600 |
| | | | 4/8 | | i7-2860QM | 2.5 GHz | 8 MB | 45 W | - | 1.3 GHz | | | DDR3- 1066/1333/1600 |
| | | | 4/8 | | i7-2820QM | 2.3 GHz | 8 MB | 45 W | - | 1.3 GHz | | | |
| | | | 4/8 | | i7-2760QM | 2.4 GHz | 6 MB | 45 W | - | 1.3 GHz | | | |
| | | | 4/8 | | i7-2720QM | 2.2 GHz | 6 MB | 45 W | - | 1.3 GHz | | | |
| | 4/8 | i7-2710QE | 2.1 GHz | | 6 MB | 45 W | - | 1.2 GHz | | | | | |
| | 4/8 | i7-2670QM | 2.2 GHz | | 6 MB | 45 W | - | 1.1 GHz | | | | | |
| | Core™ i5 | 22nm Ivy Bridge | 2/4 | | i7-2640M | 2.8 GHz | 4 MB | 35 W | - | 1.3 GHz | DDR3-1066/1333 | | |
| | | | 2/4 | | i7-2630QM | 2 GHz | 6 MB | 45 W | - | 1.1 GHz | | | |
| | | | 2/4 | | i7-2620M | 2.7 GHz | 4 MB | 35 W | - | 1.3 GHz | | | |
| | | | 2/4 | | i5-3610ME | 2.7 GHz | 3 MB | 35 W | - | 950 MHz | | DDR3/L 1333/1600 | |
| | | | 2/4 | | i5-3360M | 2.8 GHz | 3 MB | 35 W | - | 1.2 GHz | | DDR3/L-RS 1333/1600 | |
| | | 2/4 | i5-3320M | | 2.6 GHz | 3 MB | 35 W | - | 1.2 GHz | | | | |
| | | 2/4 | i5-3210M | | 2.5 GHz | 3 MB | 35 W | - | 1.1 GHz | | | | |
| | | 2/4 | i5-2540M | | 2.6 GHz | 3 MB | 35 W | - | 1.3 GHz | | | | |
| | | 2/4 | i5-2520M | | 2.5 GHz | 3 MB | 35 W | - | 1.3 GHz | | | | |
| | | Core™ i5 | 32nm Sandy Bridge | | 2/4 | i5-2510E | 2.5 GHz | 3 MB | 35 W | - | 1.1 GHz | DDR3-1066/1333 | |
| | 2/4 | | | | i5-2450M | 2.5 GHz | 3 MB | 35 W | - | 1.3 GHz | | | |
| | 2/4 | | | | i5-2435M | 2.4 GHz | 3 MB | 35 W | - | 1.3 GHz | | | |
| | 2/4 | | | | i5-2430M | 2.4 GHz | 3 MB | 35 W | - | 1.2 GHz | | | |
| | 2/4 | | | | i5-2410M | 2.3 GHz | 3 MB | 35 W | - | 1.2 GHz | | | |
| | 2/4 | | | | i3-3120M | 2.5 GHz | 3 MB | 35 W | - | 1.1 GHz | DDR3/L-RS 1333/1600 | | |
| | 2/4 | | | | i3-3110M | 2.4 GHz | 3 MB | 35 W | - | 1 GHz | | | |
| | 2/4 | | | | i3-2370M | 2.4 GHz | 3 MB | 35 W | - | 1.15 GHz | | | |
| | 2/4 | i3-2350M | 2.3 GHz | | 3 MB | 35 W | - | 1.15 GHz | | | | | |
| | 2/4 | i3-2330M | 2.2 GHz | | 3 MB | 35 W | - | 1.1 GHz | | | | | |
| | 2/4 | i3-2330E | 2.2 GHz | | 3 MB | 35 W | - | 1.05 GHz | | | | | |
| 2/4 | i3-2328M | 2.2 GHz | 3 MB | 35 W | - | 1.1 GHz | | | | | | | |
| 2/4 | i3-2312M | 2.1 GHz | 3 MB | 35 W | - | 1.1 GHz | | | | | | | |
| 2/4 | i3-2310M | 2.1 GHz | 3 MB | 35 W | - | 1.1 GHz | | | | | | | |
| Core™ i3 | 22nm Ivy Bridge | 2/4 | B840 | 1.9 GHz | 2 MB | 35 W | - | 1 GHz | DDR3-1066/1333 | | | | |
| | | 2/4 | B830 | 1.8 GHz | 2 MB | 35 W | - | 1.05 GHz | | | | | |
| | 32nm Sandy Bridge | 2/4 | B820 | 1.7 GHz | 2 MB | 35 W | - | 1.05 GHz | | | | | |
| | | 2/4 | B815 | 1.6 GHz | 2 MB | 35 W | - | 1.05 GHz | | | | | |
| | | 2/4 | B810 | 1.6 GHz | 2 MB | 35 W | - | 950 MHz | | | | | |
| | | 2/4 | B800 | 1.5 GHz | 2 MB | 35 W | - | 1 GHz | | | | | |
| | | 2/4 | B720 | 1.7 GHz | 2 MB | 35 W | - | 1 GHz | | | | | |
| | | 2/4 | B710 | 1.6 GHz | 1.5 MB | 35 W | - | 1 GHz | | | | | |
| | | Celeron® | 32nm Sandy Bridge | 2/2 | i7-940XM | 2.13G | 8M | 55W | | - | - | 1333 MHz 1066 MHz | |
| | | | | 2/2 | i7-920XM | 2.0G | 8M | 55W | | - | - | | |
| | | | | 2/2 | i7-840QM | 1.86G | 8M | 45W | | - | - | | |
| | | | | 2/2 | i7-820QM | 1.73G | 8M | 45W | | - | - | | |
| | | | | 2/2 | i7-740QM | 1.73G | 6M | 45W | | - | - | | |
| | | | | 2/2 | i7-720QM | 1.6G | 6M | 45W | | - | - | | |
| 2/2 | i7-640M | | | 2.8G | 4M | 35W | - | - | | | | | |
| 2/2 | i7-620M | | | 2.66G | 4M | 35W | - | - | | | | | |
| 2/2 | i5-580M | | | 2.66G | 3M | 35W | - | - | | | | | |
| 2/2 | i5-560M | | | 2.66G | 3M | 35W | - | - | | | | | |
| Core™ i5 | 45nm | Dual | 2/2 | i5-540M | 2.53G | 3M | 35W | - | 500MHz | 1066 MHz 800 MHz | | | |
| | | | 2/2 | i5-520M | 2.4G | 3M | 35W | - | | | | | |
| | | | 2/2 | i5-480M | 2.66G | 3M | 35W | - | | | | | |
| | | | 2/2 | i5-460M | 2.53G | 3M | 35W | - | | | | | |
| | | | 2/2 | i5-450M | 2.4G | 3M | 35W | - | | | | | |
| | | | 2/2 | i5-430M | 2.26G | 3M | 35W | - | | | | | |
| | | | 2/2 | i3-390M | 2.66G | 3M | 35W | - | | | | | |
| | | | 2/2 | i3-380M | 2.53G | 3M | 35W | - | | | | | |
| | | | 2/2 | i3-370M | 2.4G | 3M | 35W | - | | | | | |
| | | | 2/2 | i3-350M | 2.26G | 3M | 35W | - | | | | | |
| | | | 2/2 | i3-330M | 2.13G | 3M | 35W | - | | | | | |
| | | | 2/2 | P4600 | 2.0G | 2M | 35W | - | | | | | |
| | | | 2/2 | P4500 | 1.86G | 2M | 35W | - | | | | | |
| | | | Core™ i3 | 45nm | Dual | 2/2 | i7-940XM | 2.13G | | | 8M | 55W | - |
| 2/2 | i7-920XM | 2.0G | | | | 8M | 55W | - | | | | | |
| 2/2 | i7-840QM | 1.86G | | | | 8M | 45W | - | | | | | |
| 2/2 | i7-820QM | 1.73G | | | | 8M | 45W | - | | | | | |
| 2/2 | i7-740QM | 1.73G | | | | 6M | 45W | - | | | | | |
| 2/2 | i7-720QM | 1.6G | | | | 6M | 45W | - | | | | | |
| 2/2 | i7-640M | 2.8G | | | | 4M | 35W | - | | | | | |
| 2/2 | i7-620M | 2.66G | | | | 4M | 35W | - | | | | | |
| 2/2 | i5-580M | 2.66G | | | | 3M | 35W | - | | | | | |
| 2/2 | i5-560M | 2.66G | | | | 3M | 35W | - | | | | | |
| Celeron® | 45nm | Dual | 2/2 | i5-540M | 2.53G | 3M | 35W | - | 500MHz | 1066 MHz 800 MHz | | | |
| | | | 2/2 | i5-520M | 2.4G | 3M | 35W | - | | | | | |
| | | | 2/2 | i5-480M | 2.66G | 3M | 35W | - | | | | | |
| | | | 2/2 | i5-460M | 2.53G | 3M | 35W | - | | | | | |
| | | | 2/2 | i5-450M | 2.4G | 3M | 35W | - | | | | | |
| | | | 2/2 | i5-430M | 2.26G | 3M | 35W | - | | | | | |
| | | | 2/2 | i3-390M | 2.66G | 3M | 35W | - | | | | | |
| | | | 2/2 | i3-380M | 2.53G | 3M | 35W | - | | | | | |
| | | | 2/2 | i3-370M | 2.4G | 3M | 35W | - | | | | | |
| | | | 2/2 | i3-350M | 2.26G | 3M | 35W | - | | | | | |
| Celeron® | 45nm | Dual | 2/2 | i3-330M | 2.13G | 3M | 35W | - | 500MHz | 1066 MHz 800 MHz | | | |
| | | | 2/2 | P4600 | 2.0G | 2M | 35W | - | | | | | |
| | | | 2/2 | P4500 | 1.86G | 2M | 35W | - | | | | | |

黄色代表支持长期供货 *HM65/HM55 chipset doesn't support Intel® AMT feature

CPU 列表

AMD

| 支持的插槽 | 品牌 | 处理器 | 核心/线程 | 处理器编号 | 处理器基本频率 | 缓存 | 功耗 | 核显 | 核显基本频率 | 内存类型 | 芯片组 |
|---------------------------|----------|-------------------|----------------|-----------------------|----------|-------|------------------|---------------------------------|----------|---------------------------------|--|
| AMD AM5 | Ryzen™ 7 | | 8/16 | AMD Ryzen™ 7 8700G | 4.2 GHz | 8 MB | 65 W | AMD Radeon™ 780M | 2900 MHz | DDR5 | A620/ B650/ B650E/ X670/ X670E |
| | | | | AMD Ryzen™ 7 8700F | 4.1 GHz | 8 MB | 65W | Discrete Graphics Card Required | - | | |
| | Ryzen™ 5 | Ryzen 8000 Series | 6/12 | AMD Ryzen™ 5 8600G | 4.30 GHz | 6 MB | 65W | AMD Radeon™ 760M | 2800 MHz | | |
| | | | | AMD Ryzen™ 5 8500G | 3.50 GHz | 6 MB | 65W | AMD Radeon™ 740M | 2800 MHz | | |
| | | | | AMD Ryzen™ 5 8400F | 4.20 GHz | 6 MB | 65W | Discrete Graphics Card Required | - | | |
| | Ryzen™ 3 | | 4/8 | AMD Ryzen™ 3 8300G | 3.40 GHz | 4 MB | 65W | AMD Radeon™ 740M | 2600 MHz | | |
| | Ryzen™ 9 | | 16/32 | AMD Ryzen™ 9 7950X3D | 4.20 GHz | 16 MB | 120W | AMD Radeon™ Graphics | 2200 MHz | | |
| | | | | AMD Ryzen™ 9 7950X | 4.50 GHz | 16 MB | 170W | | | | |
| | | | 12/24 | AMD Ryzen™ 9 7900X3D | 4.40 GHz | 12 MB | 120W | | | | |
| | | | | AMD Ryzen™ 9 7900X | 4.70 GHz | 12MB | 170W | | | | |
| | | | | AMD Ryzen™ 9 7900 | 3.70 GHz | 12 MB | 65W | | | | |
| | | | | AMD Ryzen™ 9 PRO 7945 | 3.70 GHz | 12MB | 65W | | | | |
| | Ryzen™ 7 | Ryzen 7000 Series | 8/16 | AMD Ryzen™ 7 7800X3D | 4.20 GHz | 8 MB | 120 W | | | | |
| | | | | AMD Ryzen™ 7 7700X | 4.50 GHz | 8 MB | 105 W | | | | |
| | | | | AMD Ryzen™ 7 7700 | 3.80 GHz | 8 MB | 65 W | | | | |
| | | | | AMD Ryzen™ 7 PRO 7745 | 3.80 GHz | 8 MB | 65 W | | | | |
| | Ryzen™ 5 | | 6/12 | AMD Ryzen™ 5 7600X | 4.70 GHz | 6 MB | 105 W | | | | |
| | | | | AMD Ryzen™ 5 7600 | 3.80 GHz | 6 MB | 65 W | | | | |
| | | | | AMD Ryzen™ 5 PRO 7645 | 3.80 GHz | 6 MB | 65 W | | | | |
| | | | | AMD Ryzen™ 5 7500F | 3.70 GHz | 6 MB | 65 W | Discrete Graphics Card Required | - | | |
| AMD Phoenix FP7/FP7r2/FP8 | Ryzen™ 9 | | 8/16 | Ryzen™ 9 8945HS | 4.0 GHz | 8 MB | 45w | AMD Radeon™ 780M | 2800 MHz | DDR5 (FP7r2), LPDDR5X (FP7-FP8) | |
| | Ryzen™ 7 | | 8/16 | Ryzen™ 7 8845HS | 3.8 GHz | 8 MB | 45w | AMD Radeon™ 780M | 2700 MHz | | |
| | | | | Ryzen™ 7 8840U | 3.3 GHz | 8 MB | 28w | | 2700 MHz | | |
| | | | | Ryzen™ 7 8840HS | 3.3 GHz | 8 MB | 28w | | 2700 MHz | | |
| | Ryzen™ 5 | Ryzen 8000 Series | 6/12 | Ryzen™ 5 8645HS | 4.30 GHz | 6 MB | 45W | AMD Radeon™ 760M | 2600 MHz | | |
| | | | | Ryzen™ 5 8640U | 3.50 GHz | 6 MB | 28W | | 2600 MHz | | |
| | | | | Ryzen™ 5 8640HS | 3.50 GHz | 6 MB | 28W | | 2600 MHz | | |
| | Ryzen™ 3 | | 4/8 | Ryzen™ 3 8540U | 3.2 GHz | 6 MB | 28W | AMD Radeon™ 740M | 2800 MHz | | |
| | Ryzen™ 3 | | 4/8 | Ryzen™ 3 8440U | 3.0 GHz | 4 MB | 28W | AMD Radeon™ 740M | 2500 MHz | | |
| | Ryzen™ 9 | | 8/16 | Ryzen™ 9 7940HS | 4.0 GHz | 8 MB | 45W | AMD Radeon™ 780M | 2800 MHz | | |
| | | | | Ryzen™ 9 PRO 7940HS | 4.0 GHz | 8 MB | 45W | | 2800 MHz | | |
| | Ryzen™ 7 | | 8/16 | Ryzen™ 7 7840U | 3.30 GHz | 8 MB | 28W | AMD Radeon™ 780M | 2700 MHz | | |
| | | | | Ryzen™ 7 PRO 7840U | 3.30 GHz | 8 MB | 28W | | 2700 MHz | | |
| | | | | Ryzen™ 7 7840HS | 3.30 GHz | 8 MB | 28W | | 2700 MHz | | |
| | | | | Ryzen™ 7 7736U | 2.70 GHz | 4 MB | 28W | AMD Radeon™ 680M | 2200 MHz | | |
| | | | | Ryzen™ 7 7735U | 2.70 GHz | 4 MB | 28W | AMD Radeon™ 680M | 2200 MHz | | |
| | | | | Ryzen™ 7 7735HS | 3.20 GHz | 4 MB | 45W | AMD Radeon™ 680M | 2200 MHz | | |
| | Ryzen™ 5 | Ryzen 7000 Series | 6/12 | Ryzen™ 5 7640U | 3.50 GHz | 6 MB | 28W | AMD Radeon™ 760M | 2600 MHz | | |
| | | | | Ryzen™ 5 PRO 7640U | 3.50 GHz | 6 MB | 28W | AMD Radeon™ 760M | 2600 MHz | | |
| | | | | Ryzen™ 5 PRO 7640HS | 4.30 GHz | 6 MB | 45W | AMD Radeon™ 760M | 2600 MHz | | |
| | | | | Ryzen™ 5 7640HS | 3.80 GHz | 6 MB | 45W | AMD Radeon™ 760M | 2600 MHz | | |
| | | | | Ryzen™ 5 PRO 7545U | 3.20 GHz | 6 MB | 28w | AMD Radeon™ 740M | 2800 MHz | | |
| | | | | Ryzen™ 5 7545U | 3.20 GHz | 6 MB | 28w | AMD Radeon™ 740M | 2800 MHz | | |
| | | | | Ryzen™ 5 PRO 7540U | 3.20 GHz | 6 MB | 28w | AMD Radeon™ 740M | 2800 MHz | | |
| | | | | Ryzen™ 5 7540U | 3.20 GHz | 6 MB | 28W | AMD Radeon™ 740M | 2500 MHz | | |
| | | | | Ryzen™ 5 7535U | 2.9 GHz | 3 MB | 28W | AMD Radeon™ 660M | 1900 MHz | | |
| Ryzen™ 5 7535HS | | | | 3.3 GHz | 3 MB | 45W | AMD Radeon™ 660M | 1900 MHz | | | |
| Ryzen™ 3 | | 4/8 | Ryzen™ 3 7440U | 3.0 GHz | 4 MB | 28W | AMD Radeon™ 740M | 2500 MHz | | | |
| | | | Ryzen™ 3 7335U | 3.0 GHz | 2 MB | 28W | AMD Radeon™ 660M | 1800 MHz | | | |

黄色代表支持长期供货

iEi 威强电虚拟化边缘计算机

iEi威强电虚拟化边缘计算机(iVEC)将强大的硬件与工业应用的虚拟化相集成，支持远程桌面访问、高效的多应用操作和优化的硬件利用率。它支持可扩展的基础设施、远程维护和人工智能加速，为工业4.0提高效率和创新。



无缝兼容旧版软件



高效的硬件优化



基于Web的远程桌面可访问性



灵活的工作负载分配增强了服务质量



能源优化



动态 TCP/IP 和串行连接规划



故障恢复



边缘人工智能功能



安全操作系统集成

iVEC优于传统IPC系统的优势

| IVEC Solution | V.S | Traditional IPC |
|--|--------------------|-----------------------------|
| RS232/485/DIO By project requirements | Serial Connection | Limited by IPC original I/O |
| One/Two cable (Bridge, NA, redundancy support) | Network Connection | Multi-cable |
| YES (Linux & Windows) | Multi OS | N/A |
| Low | OPEX | High |
| Integrated Single Host | Hardware Host | Multi Physical host |
| YES | Remote Monitoring | N/A |
| YES | Remote Desktop | N/A |
| YES | Disaster Recovery | N/A |
| Flexible Built-in GPU shared by multi-host | Edge AI Capability | Not flexible |
| Dynamic assign | Add-on GPU | Limited by host |

iVEC与传统IT虚拟化软件的对比

| iVEC | V.S | IT Base Virtualization Software |
|--------------------------|--|---------------------------------|
| Yes | Serial Connection in VM | N/A |
| Yes (Web base) | Virtual Desktop Console for Managing VM | N/A |
| Yes (iGPU) | Edge CPU Optimization (Core-I P-Core and E-Core) | N/A (external GPU Card) |
| Yes | Build-in VM Auto Backup Function | N/A |
| Yes | Build-in VM Auto Backup Function | N/A (add on backup software) |
| Industrial Venue | Target Environment | Data Center |
| Yes | VM Audio Support | N/A |
| Yes | Host Recovery | N/A (add on recovery software) |
| Hardware Embedded | Software License | Depend on CPU Core |
| No Limit | VM Quantity Limitation | Depend on License |
| IPC or Industrial Server | Hardware | Cloud Server |
| Yes | External Storage Bundled | N/A |
| Yes | POE NIC Support | N/A |
| Yes | Fanless | N/A (air conditioner) |

软件规格

| 主要特征 | 子功能 | 主要特征 | 子功能 |
|-----------------|--|---------------|---|
| 系统管理控制台 | Web-based management console | | |
| 系统概览仪表盘 | <ul style="list-style-type: none"> VM Status Monitoring: VM running and status change CPU Utilization Monitoring: CPU utilization ranking Memory Utilization Monitoring: Memory utilization ranking Network Traffic Bandwidth Monitoring: Network received and transmitted data rate Storage Performance Monitoring: Storage read and write data rate | | <ul style="list-style-type: none"> Microsoft Windows: Windows 11, Windows 10, Windows 8.1, Windows 8, Windows 7, Windows XP SP3 Windows Server: Windows Server 2022, Windows Server 2019, Windows Server 2016 Linux - Ubuntu: Ubuntu 22.04, Ubuntu 20.10, Ubuntu 20.04, Ubuntu 19.10, Ubuntu 19.04, Ubuntu 18.10, Ubuntu 18.04, Ubuntu 17.10, Ubuntu 17.04, Ubuntu 16.10, Ubuntu 16.04 Linux - Debian: Debian 9.1.0 (Linux kernel: 4.9.0-6), Debian 10, Debian 11, Debian 12 Linux - Fedora: Fedora 24 – 26, Fedora 27–38 Linux - Red Hat: Red Hat Enterprise Linux 7, Red Hat Enterprise Linux 8, Red Hat Enterprise Linux 9 Linux - CentOS: CentOS 7.0 - 7.4, CentOS 8.0-8.5, CentOS Stream 8/9 Linux - SUSE: Suse Linux Enterprise Server 15 UNIX - FreeBSD: FreeBSD 11, FreeBSD 12, FreeBSD 13 |
| 虚拟机管理 | <ul style="list-style-type: none"> VM Creation VM Import VM Migration Virtual Desktop Console Support for Managing VMs: Browser base VM Power Management Single VM management: <ul style="list-style-type: none"> > Information and dashboard: General, System, Display and Sound, Others, Storage, Network > Real time monitor: CPU usage, memory usage, network throughput, disk throughput > Snapshot management > Logs query Edit VM: <ul style="list-style-type: none"> > Synchronize time > Edit > Clone > Export > Data protection > Single VM share link management > Delete VM | 支持的客户操作系统 | |
| 数据保护计划管理 | <ul style="list-style-type: none"> Query for Protection Plan Creating a Backup Data Protection Plan Restoring a Backup Data Protection Plan Run Backup Data Protection Plan Edit Data Protection Plan Delete Data Protection Plan | VM 串行连接扩展卡 | IEI approved RS232/RS485 card |
| 操作系统镜像管理 | <ul style="list-style-type: none"> Search OS Image Edit OS Image Delete OS Image Upload OS Image | 虚拟机AI加速 | <ul style="list-style-type: none"> iGPU (CPU integrated GPU): virtual GPU card supports up to 7 VM (based on Intel Core-i9 13900TE) Dedicated GPU : NVIDIA GeForce Series <p>Note: The VM enabled AI Acceleration will not support Browser base VM remote desktop</p> |
| 系统管理 | <ul style="list-style-type: none"> User management VM access permissions Overall VM share link management Overall VM exported file management | 网卡扩展卡 | IEI approved POE NIC Card |
| 系统偏好设置 | <ul style="list-style-type: none"> Memory: <ul style="list-style-type: none"> >Provisioning System Memory >Memory Optimizer Remote Device Credentials Management | 最大快照数量 | Up to 32 per VM |
| 系统日志 | <ul style="list-style-type: none"> Query Log Save and export Log Clear Log | 同时运行的虚拟机的最大数量 | The number of concurrently-running VMs is generally limited to the available CPU and memory resources of the device. Running multiple VMs at the same time may affect the performance of the device. |
| 用于管理虚拟机的虚拟桌面控制台 | <ul style="list-style-type: none"> Browser base remote desktop Pin task bar Task bar layout option VM power management Take snapshot Display quality setting Send function key and custom key Full screen Capture screen to image Audio on/off | 最大虚拟机数量 | No limit |
| | | 最大虚拟设备数 | Each VM supports up to 16 devices, including hard disks and CD/DVD ROMs. |
| | | 虚拟网络适配器的最大数量 | Up to 8 per VM |
| | | 最大物理USB连接数 | Up to 4 per VM |
| | | 最大物理PCIe连接数 | Up to 3 per VM |
| | | 支持的导入文件类型 | *.ova, *.ovf, *.vmmx, *.qvm(from iVEC), *.vhdx |
| | | 支持的导出文件类型 | *.ovf, *.qvm, *.vhdx |
| | | 主机操作系统支持 | Ubuntu IoT 22.04 LTS for Intel Platform |
| | | 硬件支持 | IEI approved hardware |
| | | 应用程序OTA升级 | Supported |
| | | 外部存储支持 | <ul style="list-style-type: none"> iRM Mini Server (recommended QTS OS V5.1.*) iVEC Node QNAP Storage (recommended QTS OS V5.1.*) |
| | | 网络 | <ul style="list-style-type: none"> IP Configurations: Manual (Static IP) / DHCP (Dynamical IP) Client Network Mode: Bridge and NAT Network Redundancy Support: Active/Standby mode of operation (for detail setting , please check user manual) Virtual Networking Support: Yes <p>Note:</p> <ul style="list-style-type: none"> Support user-defined bridge networks Optional Accessories: IEI PoE LAN Module for network expansion |

硬件规格

| 型号 | iVEC Appliance | | | |
|------------------------|--|--|--|---|
| | IVEC-TANKXM811-RPL01-R10 | IVEC-TANKXM811-RPL02-R10 | IVEC-TANKXM811-RPL03-R10 | IVEC-TANKXM811-RPL04-R10 |
| 外观构造 | | | | |
| 颜色 | Black | | | |
| 尺寸 (W x D x H) | 137.9 x 255.4 x 230.6 mm | | | |
| 有风扇/无风扇 | Fanless (optional external fan helps to increase system performance in harsh environment) | | | |
| 底盘构造 | Extruded aluminum alloys | | | |
| 主板 | | | | |
| CPU | Intel® Core™ i9-13900TE 1.0GHz [up to 5.0GHz, 24-Core (8P+16E), 32 Thread, TDP 35W] | Intel® Core™ i7-13700TE 1.1GHz [up to 4.8GHz, 16-Core (8P+8E), 24 Thread, TDP 35W] | Intel® Core™ i5-13500TE 1.3GHz [up to 4.5GHz, 14-Core (6P+8E), 20 Thread, TDP 35W] | Intel® Core™ i3-13100TE 2.4GHz [up to 4.1GHz, 4-Core (4P), 8 Thread, TDP 35W] |
| 虚拟 CPU | 32 | 24 | 20 | 8 |
| 芯片组 | Intel® R680E | | | |
| 系统内存 | 1 x 32GB SO-DIMM DDR4 3200MHz (pre-installed) | 1 x 32GB SO-DIMM DDR4 3200MHz (pre-installed) | 1 x 16GB SO-DIMM DDR4 3200MHz (pre-installed) | 1 x 16GB SO-DIMM DDR4 3200MHz (pre-installed) |
| | up to 2 x SO-DIMM DDR4 and 64GB, support ECC memory SKU | | | |
| 存储 | | | | |
| 硬件 | Host OS: 1 x 2.5" 512GB SATA 6Gb/s SSD (pre-installed) | | | |
| | VM Storage: 1 x 1TB M.2 2280 M-key SSD (NVMe PCIe x4, pre-installed) | | | |
| I/O接口 | | | | |
| 以太网 | 2 x RJ45: 1 x Intel I226LM 2.5GbE 1 x Intel I226-V 2.5GbE (Note: I225 LM/-V 2.5GbE in the previous motherboard version) | | | |
| USB 3.2 Gen 2 (10Gb/s) | 8 | | | |
| COM | 2 x RS-232/422/485 | | | |
| | 4 x RS-232 | | | |
| 数字 I/O | 12-bit (6-in/6-out) | | | |
| 显示器 | 1 x DP++ (up to 4096 x 2160@60Hz) | | | |
| | 1 x HDMI (up to 4096 x 2160@30Hz) | | | |
| 扩展槽 | | | | |
| M.2 | 1 x 2230 A-key (PCIe x1/ USB 2.0 support Intel® vPro) | | | |
| 背板 | 2 x PCIe x16 slot (x8 signal, pre-installed, total power up to 75W, support FHHL card) | | | |
| 电源 | | | | |
| 电源输入 | DC Jack: 12V ~ 28V DC | | | |
| | Terminal Block: 12V ~ 28V DC | | | |
| 远程电源 | Terminal Block: 2-pin | | | |
| 可靠性 | | | | |
| 安装方式 | Wall mount | | | |
| 工作温度 | -20°C ~ 60°C with air flow (with SSD), 10% ~ 95%, non-condensing | | | |
| 存储温度 | -40°C ~ 80°C, 10% ~ 95%, non-condensing | | | |
| 震动 | Half-sine wave shock 5G, 11ms, 100 shocks per axis (with SSD) | | | |
| 冲击 | MIL-STD-810G 514.6C-1 (with SSD) | | | |
| 净重/毛重 | 4.6kg / 5.6kg | | | |
| 安规 / EMC | CE / FCC | | | |
| 看门狗 | Programmable 1 ~ 255 sec/min | | | |
| 操作性 | | | | |
| 主机操作系统 | Ubuntu IoT 22.04 LTS for Intel Platform (pre-installed) Ubuntu IoT Certified Device : https://ubuntu.com/certified/202307-31831 | | | |
| 客户操作系统 | Windows / Linux OS (For detail, refer to software spec) | | | |

iEi 威强电远程管理解决方案

iRM是iEi威强电为工业电脑的OT/IT团队设计的集中式远程管理解决方案。它提供单点解决方案来监控OT网络中的所有关键IPC，如工业服务器/IPC/vIPC。iRM有助于在短时间内通过单一界面轻松监控您全球的OT/IT基础架构。



有效管理&故障修理

无缝监控，集中控制托管应用程序



提高可用性

快速问题诊断，可访问设备并减少停机时间。



安全服务器平台

具有预装操作系统和一键操作系统恢复功能的临时迷你服务器



增强的数据保护

支持多种RAID技术



跨平台功能

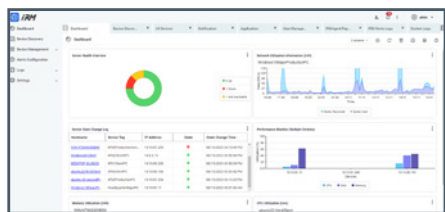
与任何x86平台完全兼容，并能够管理运行Linux和Windows操作系统的设备。



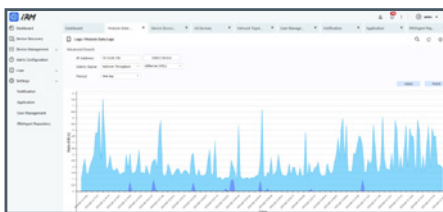
可自定义的电子邮件警报

针对目标指标跟踪量身定制的电子邮件通知

简单直观的基于Web的门户网站



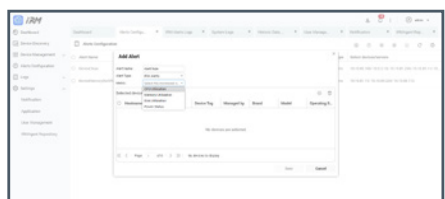
设备运行状况面板



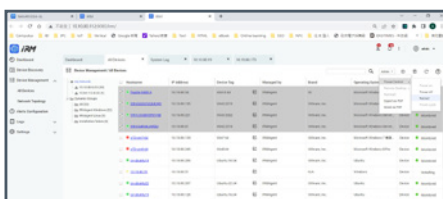
历史数据查询



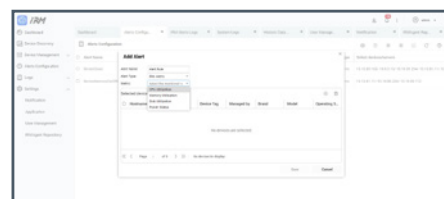
网络拓扑视图



添加警报规则



设备组控制



通知邮件设置

iRM 软件规格

| 主要特征 | 子功能 | 主要特征 | 子功能 |
|----------------------------------|---|---|---|
| 仪表盘和小部件 (用户通过系统内置小部件定义仪表盘) | CPU Utilization Memory Utilization Disk Utilization Disk Volume Live Information Disk Throughput Network Utilization Device Health Overview | State Change Log Shutdown Devices (Recent 10) Performance Monitor (Multiple Devices) Performance Monitor (Single Devices) Export to PDF Export and email as PDF document | 日志 IRM Alerts Log System Log Historic Data Log Query |
| 设备发现 (通过网络在 iRM 平台中添加您的客户端设备) | Device Discovery by network Add Device Search Device | | 设置 Notification Settings Application Settings User Management: system admin, OT power user IRMAgent Repository Download |
| 设备管理 | Single and Multi Device Management Page • Export PDF • Email as PDF • Add Device • Delete Device | Remote Power Control Remote Desktop Network Topology View | 受监控的客户端操作系统支持 • Windows® 32-Bit: Windows® 7, Windows® 8/8.1 • Windows® 64-Bit: Windows® 7, Windows® 8/8.1, Windows® 10, Windows® 11, Windows® Server 2012, Windows® Server 2016, Windows® Server 2019, Windows® Server 2022 • Ubuntu 64-Bit: Ubuntu 16.04, Ubuntu 18.04, Ubuntu 20.04, Ubuntu 22.04 • Debian 64-Bit : Debian 8, Debian 9, Debian 10, Debian 11 • CentOS 64-Bit: CentOS 7 |
| 警报配置 | CPU Utilization Memory Utilization | Disk Utilization Power Status | 软件标准保修和支持 1 Year |

iRM Mini 服务器设备规格

| 型号 | | iRM-TSi410X | iRM-TS410E |
|---------------|----------------|--|---|
| 机箱 | 颜色 | Black | Black |
| | 尺寸 (H x W x D) | 65 x 180 x 254 mm (2.56 x 7.09 x 10 in) | 60 x 180 x 254 mm (2.36 x 7.09 x 10 in) |
| | 有风扇/无风扇 | Fanless | Fanless |
| | 结构 | Extruded aluminum alloy | Extruded aluminum alloy (front panel: plastic) |
| 处理器 | CPU | Intel® Atom® x6425E | Intel® Celeron® J6412 |
| | 频率 | 4-core/4-thread 2.0 GHz base/3.0 GHz burst | 4-core/4-thread processor, burst up to 2.6 GHz |
| | 加密引擎 | AES-NI | AES-NI |
| | 显卡 | Intel® UHD Graphics for 10th Gen Intel® Processors | Intel® UHD Graphics for 10th Gen Intel® Processors |
| 内存 | 预装 | 8 GB RAM | 8 GB RAM (on board) |
| | 最大限度 | 8 GB RAM | 8 GB RAM (non-expandable) |
| | 内存 | 4 GB (dual-boot OS protection) | 4 GB (dual-boot OS protection) |
| 存储 | 驱动器托架 | 4 x 2.5-inch SATA 6 Gbps | 4 x 2.5-inch SATA 6 Gbps |
| | 热插拔 | This device supports hot-swapping for all drives. | This device supports hot-swapping for all drives. |
| | 预装 SSD/ HDD | 2 x 2.5-inch 512GB SATA SSD with RAID 1 Operational Temperature: - 20°C to 75°C | 2 x 2.5-inch 512GB SATA SSD with RAID 1 Operational Temperature: 0°C to 70°C |
| | RAID | Support RAID 1 / 5 / 6 / 10 | Support RAID 1 / 5 / 6 / 10 |
| 网络 | 10 GB 网络接口 | 2 x 10G BASE-T (10G/5G/2.5G/1G) | 2 x 2.5 GbE RJ45 (2.5G/1G/100 Mb./10 Mb.) |
| 外部 I/O 端口和扩展槽 | USB 端口 | 4 x USB 3.2 Gen 2 Type-A | 4 x USB 3.2 Gen 2 Type-A |
| | HDMI™ 端口 | 1 x HDMI™ 1.4b (up to 3840 x 2160 resolution at 30Hz) | 1 x HDMI™ 1.4b (up to 3840 x 2160 resolution at 30 Hz) |
| 接口 | 按键 | Power / Reset | Power / Reset |
| 电源 | 供电单元 | 1. External power adapter 90W and above, 100-240V AC 2. 9-36V DC input | External power adapter, 90W and above, 100-240V AC |
| | 系统电池 | CR2032 lithium battery (3V, 225 mAh) | CR2032 lithium battery (3V, 225 mAh) |
| 相对湿度 | 相对湿度 | • Non-condensing relative humidity: 5% to 95% • Wet-bulb temperature: 27°C (80.6°F) | • Non-condensing relative humidity: 5% to 95% • Wet-bulb temperature: 27°C (80.6°F) |
| 包装 | 包装尺寸 | 290 x340 x195 mm (11.42 x 11.39 x 7.68 in) | 290 x340 x195 mm (11.42 x 11.39 x 7.68 in) |
| 可靠性 | 工作温度 | -40°C to 70°C (-40°F to 158°F) | 0°C to 40°C (32°F to 104°F) |
| | 存储温度 | -45 - 85°C (-49°F - 185°F) | -20°C to 70°C (-4°F - 158°F) |
| | 安装 | • VESA mount: 75 x 75 mm (2.95 x 2.95 in) Load bearing: > 15 kg (33.07 lbs) M4x6 screws Hole depth: 7.5 mm (0.26 in) Tooth depth: 5 mm (0.20 in) | • Stand Mount • VESA mount: 75 x 75 mm (2.95 x 2.95 in) Load bearing: > 15 kg (33.07 lbs) M4x6 screws Hole depth: 7.5 mm (0.26 in) Tooth depth: 5 mm (0.20 in) |
| 重量 | 净重 | 2.54 kg (5.6 lbs) | 2.64 kg (5.82 lbs) |
| | 毛重 | 3.85 kg (8.5 lbs) | 3.83 kg(8.44 lbs) |
| 安规 / EMC | | CE / UKCA / FCC / VCCI-B / BSMI | CE / UKCA / FCC / VCCI-B / BSMI |
| 硬件标准保修 | | 3 Years | 3 Years |
| 预安装应用程序 | | IRM (IEI Remote Management) | IRM (IEI Remote Management) |

嵌入式计算机

iEi威强电提供一系列工业主板，为嵌入式计算和下一代数据处理以及I/O连接设置基准的单板计算机。我们的产品迎合各种计算设计，从OEM/ODM企业计算到嵌入式单板计算机应用，并为要求苛刻的嵌入式部署提供高可靠性和长寿命。iEi威强电的工业级主板现成可用，为具有挑战性的嵌入式应用提供了标准解决方案。



ATX



IMBA 系列

microATX



IMB 系列

Mini-ITX



KINO 系列

2.5" Pico-ITX



HYPER 系列

4" EPIC



NANO series

3.5" SBC



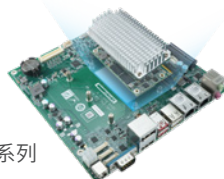
WAFER 系列

PC/104 CPU Module



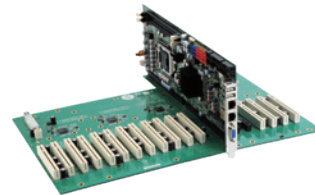
PM 系列

模块化计算机



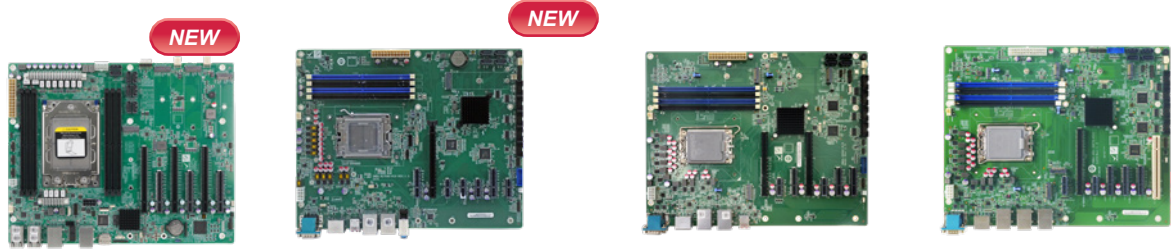
COM Express: ICE 系列
Qseven™: iQ7 系列
SMARC™: iSMC 系列

插槽式单板计算机 和无源背板



工业主板

ATX

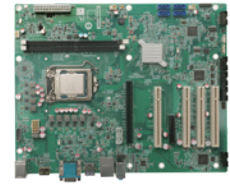
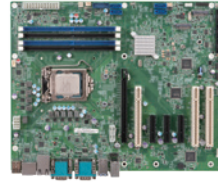
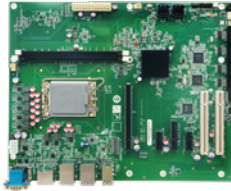


| 型号 | IMBAX-SP6 | IMBA-AM5 | IMBA-R680 | IMBA-ADL-Q670 |
|----------------|--|--|---|---|
| CPU 插槽 | AMD SP6 socket (LGA4844) | AMD Socket AM5 | LGA1700 | LGA1700 |
| CPU 类型 | AMD EPYC™ 8004 Series Processors | AMD Ryzen™ 7000&8000G Series Desktop Processors | 12th/13th/14th Generation Alder Lake-S/ Raptor Lake-S Core™ i9/i7/i5/i3/Pentium®/ Celeron® Processor. up to 125W TDP CPU | 12th/13th/14th generation Alder Lake-S/ Raptor Lake-S Intel® Core™ i9/i7/i5/i3/ Pentium®/Celeron® Processor (up to 125W TDP CPU) |
| 芯片组 | N/A | AMD B650 | Intel® R680E | Intel® Q670/Q670E |
| 内存 | Six 288-pin DDR5 4800MHz ECC RDIMM | Four 288-pin 5200 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs supported up to 128GB | Four 288-pin Dual-Channel DDR5 (up to 4400 MHz) SDRAM Unbuffered DIMMs supported up to 192GB (ECC & non-ECC support) | Four 288-pin 3200 MHz dual-channel DDR4 SDRAM unbuffered DIMMs supported up to 128GB |
| 显示接口 | 1 x DP | Triple independent display 1 x DP 1.4 2 x HDMI 1.4 | Triple independent display 1 x DP 1 x HDMI 1 x iDPM | Triple independent display 1 x DP 1.4a (up to 4096 x 2304 @60Hz) 1 x HDMI 1.4 (up to 4096 x 2304 @30Hz) 1 x iDPM support IEI eDP/ LVDS/ VGA module |
| 网络 | 4 x 2.5G (I225-LM / I226-LM) Base-T LAN Ports | LAN1: Intel® I226V 2.5GbE controller LAN2: Intel® I226V 2.5GbE controller | LAN1: Intel® I225LMX/I226LM 2.5GbE controller (colay I225V/I226V support vPro) LAN2: Intel® I225V/I226V 2.5GbE controller | LAN1: Intel® I225V/I226V 2.5GbE controller (CO-LAY I225LM/I226LM support vPro) LAN2: Intel® I225V/I226V 2.5GbE controller (CO-LAY I225LM/I226LM support vPro) |
| I/O 接口 | On board IPMI AST-2600 (1 x DP1.1a, 1 x RJ45) 4 x USB 3.2 Gen1 (Type-A) (5Gb/s) 1 x RJ45 (RS-232 Console) 2 x USB (2x4 pin, P=2.54) | 2 x USB 2.0 (2x4 pin, P=2.54) 1 x RS-232/422/485 (2x5 pin, P=2.54) 2 x USB 3.2 Gen1 (2x10 pin) 4 x RS-232 (2x5 pin, P=2.54) 4 x USB 3.2 Gen2 (Type-A) (10Gb/s) 2 x USB 3.2 Gen1 (Type-A) (5Gb/s) 1 x RS-232/422/485 (RS-485 support AFC) | 4 x USB 3.2 Gen2 (Type-A) 2 x USB 3.2 Gen1 (Type-A) 2 x RS-232/422/485 (RAID 0/1/5/10 supported) 4 x USB 2.0 (2x4 pin, P=2.54) 2 x USB 3.2 Gen1 (2 X 10PIN P=2.00 pin wafer) 4 x RS-232 (2x5 pin, P=2.54) | 4 x USB 3.2 Gen2 (Type-A) 2 x USB 3.2 Gen1 (Type-A) 2 x RS-232/422/485 4 x USB 2.0 (2x4 pin, P=2.54) 2 x USB 3.2 Gen1 (2x10pin P=2.00) 4 x RS-232 (2x5 pin, P=2.54) |
| 存储 | 8 x SATA 6Gb/s | 4 x SATA 6Gb/s | 6 x SATA 6Gb/s (RAID 0/1/5/10 supported) | 4 x SATA 6Gb/s |
| 音频 | N/A | Realtek ALC888S HD Audio codec supports 2.1-channel 3 x Audio jacks (line-out, line-in, mic-in) on rear IO, 1 x Front audio (2x5 pin) | 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2 x 5 pin) | 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin) |
| 数字 I/O | | 12-bit digital I/O (2x7 pin) | 12-bit programmable I/O (12-bit GPIO is for programming I/O) | 12-bit digital I/O (2x7 pin) |
| 功耗 | 5VSB@0.7A, 5V@1.68A, 3.3V@0.87A, 12V@9.4A (AMD SP6 Siena 8-64 cores with 192GB (six of 32GB) 4800MHz DDR5 memory) | 3.3V@1.62A, 5V@11.63A, 12V@19.46A, 5VSB@0.04A (AMD Ryzen 9 7950X; AMD Ryzen 9 7900 CPU with Apacer D12.35306H.001 32GB DDR5 5600 CL46 memory) | 3.3V@0.89A, 5V@10.05A, 12V@6.05A, 5VSB@0.64A (Intel® Core™ i7-12700E CPU with four 16 GB 4800 MHz DDR5 memory, EuP mode enabled) | 3.3V@1.04A, 5V@10.38A, 12V@5.76A, 5VSB@0.39A (Intel® Core™ i9-12900E CPU with 8 GB 3200 MHz DDR4 memory, EuP mode enabled) |
| 看门狗 | Software programmable and supports 1~255 sec. system reset | | | |
| 运行环境 | Temperature Range: 0°C ~ 60°C (32°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: 0°C ~ 60°C (32°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -20°C ~ 60°C (-4°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing |
| 扩展槽 | 3 x PCIe Gen4 x16 slot 3 x PCIe Gen4 x8 slot 4 x M.2 M Key slot (2242/2280, PCIe Gen4 x4 for SSD), NVMe supported | 1 x PCIe Gen4 x16 2 x PCIe Gen4 x4 open-end 4 x PCIe Gen4 x1 open-end 1 x M.2 M Key | **2 x PCIe Gen5 x16 slot with x8 Signal **1 x PCIe Gen4 x4 open-end 2 x PCIe Gen4 x4 open-end 2 x PCIe Gen3 x1 2 x M.2 M key 2242/80(PCIE Gen3 x4) | **1 x PCIe Gen4 x16 slot **1 x PCIe Gen4 x4 open-end slot 2 x PCIe Gen4 x4 open-end slot 2 x PCIe Gen3 x1 slot 1 x PCI slot 1 x M.2 M key 2242/80 (PCIe Gen3 x4) 1 x M.2 M key 2242/80 (PCIe Gen3 x2) |
| CPU 散热器 | 19100-000358-00-RS | 19100-000344-00-RS 19100-000345-00-RS 19100-000348-00-RS 19100-000338-00-RS | 19100-000323-00-RS 19100-000326-00-RS 19100-000319-00-RS 19100-000333-00-RS 19100-000327-00-RS | 19100-000323-00-RS 19100-000319-00-RS 19100-000333-00-RS 19100-000326-00-RS 19100-000327-00-RS |

**Intel® recommends that Alder Lake-S CPU PCIe ports are only used for discrete graphics and storage devices

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ATX



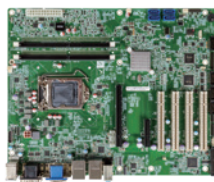
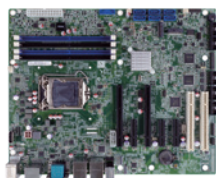
| 型号 | IMBA-ADL-H610 | IMBA-Q470 | IMBA-Q471 | IMBA-H420 |
|----------------|---|--|--|--|
| CPU 插槽 | LGA1700 | LGA1200 | LGA1200 | LGA1200 |
| CPU 类型 | 12th/13th/14th generation Alder Lake-S/Raptor Lake-S Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor (up to 65W TDP CPU) | 10th/11th generation Intel® Core™ i9/i7/i5/i3, Pentium® or Celeron® processor. up to 125W TDP | 10th/11th Generation LGA1200 Intel® Core™ i9/i7/i5/i3, Celeron® and Pentium® processors | 10th/11th generation Intel® Core™ i9/i7/i5/i3, Celeron® and Pentium® processor |
| 芯片组 | Intel® H610/H610E | Intel® Q470/Q470E | Intel® Q470/Q470E | Intel® H420E |
| 内存 | Two 288-pin 3200 MHz dual-channel DDR4 SDRAM unbuffered DIMMs supported up to 64GB | Four 288-pin 2933 MHz dual-channel DDR4 SDRAM unbuffered DIMMs (system max. 128 GB) | Four 288-pin 2933 MHz dual-channel DDR4 SDRAM unbuffered DIMMs (system max. 128 GB) | Two 288-pin 2933 MHz dual-channel DDR4 SDRAM unbuffered DIMMs (system max. 64GB) |
| 显示接口 | Triple independent display 1 x DP (up to 4096 x 2304 @60Hz) 1 x HDMI (up to 4096 x 2304 @30Hz) 1 x iDPM 3040 slot (only for IEI eDP/LVDS/VGA module) | Triple independent display 1 x VGA 1 x DP 1 x HDMI | Triple independent display 1 x VGA 1 x DP 1 x HDMI | Triple display 1 x VGA 1 x internal DP++ 1 x HDMI 1.4 |
| 网络 | LAN1: Intel® i219 LM controller LAN2: Intel® I225V/I226V 2.5GbE controller | LAN1: Intel® I225V/I226V 2.5GbE controller LAN2: Intel® I225V/I226V 2.5GbE controller | LAN1: Intel® I225V/I226V 2.5GbE controller LAN2: Intel® I225V/I226V 2.5GbE controller LAN3: Intel® I225V/I226V 2.5GbE controller | LAN1: Intel I225-V/I226-V GbE controller (colay I225-LM/I226-LM) |
| I/O 接口 | 2 x USB 3.2 Gen2 x1 (Type-A) 2 x USB 3.2 Gen1 x1 (Type-A) 4 x USB 2.0 (Type-A) 2 x RS-232/422/485 2 x USB 2.0 (2x4 pin, P=2.54) 4 x RS-232 (2x5 pin, P=2.54) | 2 x USB 2.0 1 x RS-232/422/485 (RS-485 supports AFC) 2 x USB 3.2 Gen 1 2 x RS-232 2 x USB 3.2 Gen 2 1 x RS-422/485 (2x5 pin, P=2.54) (RS-485 supports AFC) 2 x RS-232 (2x5 pin, P=2.54) 2 x USB 3.2 Gen 1 (2x10 pin, P=2.0) 4 x SATA 6Gb/s (supports RAID 0/1/5/10) 5 x USB 2.0 (2x4 pin, P=2.54) | 2 x USB 3.2 Gen 2 (Type-A) 2 x USB 3.2 Gen 1 (Type-A) 2 x USB 2.0 (Type-A) 1 x RS-232 6 x USB 2.0 (2x4 pin, P=2.54) 2 x USB 3.2 Gen1 (2x10 pin, P=2.0) 2 x RS-232 (2x5 pin, P=2.54) 1 x RS-422/485 (1x4 pin, P=2.0) | 4 x USB 3.1 Gen 1 (5Gb/s) 2 x USB 2.0 1 x RS-232 1 x KB/MS 1 x RS-232/422/485 (2x5 pin, P=2.54) 2 x USB 2.0 (2x4 pin, P=2.54) 4 x RS-232 (2x5 pin, P=2.54) |
| 存储 | 4 x SATA 6Gb/s | 4 x SATA 6Gb/s (RAID 0/1/5/10 supported) | 5 x SATA 6Gb/s (RAID 0/1/5/10 supported) | 4 x SATA 6Gb/s (no RAID) |
| 音频 | 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin, P=2.0) | Realtek ALC888S HD Audio codec | Realtek ALC888S HD Audio codec | Realtek ALC888S HD Audio codec |
| 数字 I/O | 12-bit digital I/O (2x7 pin) | 8-bit programmable I/O (8-bit GPIO is for programming I/O) | 12-bit programmable I/O (12-bit GPIO is for programming I/O) | Realtek ALC888S HD codec 3 x Audio Jack (Line-in, Line-out, Mic-in) on rear IO 1 x Front audio (2x5 pin) |
| 功耗 | 3.3V@0.36A, 5V@7.04A, 12V@5.62A, 5VSB@0.7A (Intel® Core™ i7-12700E CPU with two 32 GB 2933 MHz DDR4 memory, EuP mode enabled) | 3.3V@1.36A, 5V@14.16A, 12V@7.5A (Intel® Core™ i9-10900E CPU with four 32 GB 3200 MHz DDR4 memory) | 3.3V@1.1A, 5V@3.359A, 12V@2.18A, 5VSB@0.12A (Intel® Core™ i5-10500TE CPU with four 8 GB 2933 MHz DDR4 DIMMs) | 3.3V@0.84A, 5V@8.12A, 12V@3.77A, 5VSB@0A (Intel® Core™ i5-10500TE CPU with two 32 GB 2933 MHz DDR4 memory, EuP mode enabled) |
| 看门狗 | Software programmable and supports 1~255 sec. system reset | | | |
| 运行环境 | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -20°C ~ 60°C (-4°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | | |
| 扩展槽 | **1 x PCIe Gen4 x16 1 x PCIe Gen3 x4 open-end 2 x PCIe Gen3 x1 2 X PCI | 1 x PCIe 3.0 x16 slot 1 x M.2 2230 A key (PCIe 3.0 x1, USB 2.0) 3 x PCIe 3.0 x4 slot 1 x M.2 2242/80 M Key (PCIe 3.0 x4) 3 x PCI slot | 2 x PCIe Gen3 x16 (x8 signal) 3 x PCIe Gen3 x4 open-end 2 x PCIe Gen3 x1 M.2 M key 2240/2280 (PCIe x2 & SATA signal) | 1 x PCIe Gen3 x16 1 x PCIe Gen3 x4 4 x PCI |
| CPU 散热器 | 19100-000323-00-RS 19100-000319-00-RS 19100-000333-00-RS 19100-000326-00-RS 19100-000327-00-RS | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 19100-000318-00-RS | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 |

**Intel® recommends that Alder Lake-S CPU PCIe ports are only used for discrete graphics and storage devices

工业主板

KaiXian Platform

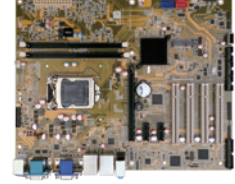
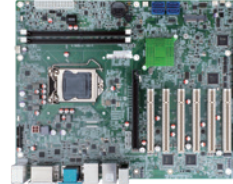
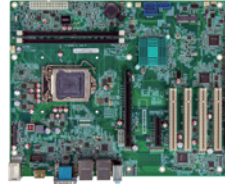
ATX



| 型号 | IMBA-Q370 | IMBA-H310 | IMBA-C2360-i2 | IMBA-KX |
|----------------|--|---|--|--|
| CPU 插槽 | LGA1151 | LGA1151 | LGA1151 | On Board |
| CPU 类型 | 8th/9th generation Intel® Core™ i9/ i7/i5/i3, Pentium® and Celeron® processor | 8th/9th generation Intel® Core™ i9/ i7/i5/i3, Pentium® and Celeron® processor | 6th/7th generation Intel® Xeon® E3 v5/v6, Core™ i3, Pentium®, Celeron® processor | Zhaoxin Kaixian KX-6000 series 8-core SoC processor Zhaoxin KX-U6580 on-board SoC (8-Core, 8MB Cache, 2.5GHz, 70W) Zhaoxin KX-U6780A on-board SoC (8-Core, 8MB Cache, 2.7GHz, 70W) |
| 芯片组 | Intel® Q370 | Intel® H310 | Intel® C236 | zhaoxing ZX-200 |
| 内存 | Four 288-pin 2666/2400 MHz dual-channel DDR4 SDRAM unbuffered DIMMs (system max. 64 GB) | Two 288-pin 2666/2400 MHz dual-channel DDR4 SDRAM unbuffered DIMMs (system max. 64 GB) | Four 288-pin 2133 MHz dual-channel DDR4 SDRAM ECC and non-ECC unbuffered DIMMs (system max. 64 GB) | Four 288-pin 2666MHz Dual-Channel DDR4 SDRAM Unbuffered DIMMs (system max. 64GB) |
| 显示接口 | Triple independent display 1 x VGA 1 x DP++ 1 x HDMI 1 x Internal DisplayPort | Triple independent display 1 x DVI-D 1 x VGA 1 x Internal 180° DP | Triple independent display 1 x VGA 1 x DVI-D 1 x HDMI 2.0 1 x iDP interface for HDMI, LVDS, VGA, DVI, DP | Triple independent display 1 x VGA (up to 1920 x 1080 @60Hz) 1 x DP (up to 3840 x 2160 @60Hz) 1 x HDMI 2.0/1.4 (up to 3840 x 2160 @60Hz) |
| 网络 | LAN1: Intel® I219LM PCIe controller with AMT 11.0 support LAN2: Intel® I210AT PCIe controller | LAN1: Intel® I219LM PCIe controller LAN2: Intel® I210 AT PCIe controller | LAN1: Intel® I219LM with Intel® AMT 11.0 support LAN2: Intel® I210AT PCIe controller with NCSI support | LAN1: Realtek RTL8111H PCIe GbE controller LAN2: Realtek RTL8111H PCIe GbE controller |
| I/O 接口 | 2 x USB 3.2 Gen 2 (Type-A) 2 x USB 3.2 Gen 1 (Type-A) 1 x PS/2 KB/MS 2 x USB 2.0 1 x RS-232 1 x KB/MS 2 x RS-232/422/485 3 x RS-232 2 x USB 3.2 Gen 1 4 x USB 2.0 | 4 x USB 3.2 Gen 1 2 x RS-232 2 x USB 2.0 1 x KB/MS 1 x KB/MS (1x6 pin) 2 x USB 2.0 (2x4 pin, P=2.54) 1 x LPT (2x13 pin, P=2.54) 3 x RS-232 (2x5 pin, P=2.54) 1 x RS-232/422/485 (2x5 pin, P=2.54) | 2 x USB 2.0 4 x USB 3.2 Gen 1 1 x KB/MS (1x6 pin) 4 x RS-232 (2x5 pin, P=2.54) 1 x LPT (2x13 pin, P=2.54) 4 x USB 2.0 (2x4 pin, P=2.0) 2 x USB 3.2 Gen 1 (2x10 pin, P=2.0) 2 x RS-232/422/485 (2x5 pin, P=2.54) | 2 x USB 3.2 Gen2 (10Gb/S) 2 x USB 3.2 Gen1 (5Gb/S) 6 x USB 2.0 1 x PS/2 KB/MS 1 x RS-232 4 x 6G/s with 5/12V SATA power connector (no RAID) 1 x USB3.2 GEN1 TYPE-A (5Gb/S) 4 x USB2.0 pin header, (2 x 4 pin,P=2.54) 9 x RS-232 (2x5 pin, P=2.0) |
| 存储 | 6 x SATA 6Gb/s (RAID 0/1/5/10 supported) | 4 x SATA 6Gb/s (no RAID) | 6 x SATA 6Gb/s (RAID 0/1/5/10 supported) | 4 x SATA 6Gb/s |
| 音频 | Realtek ALC888S HD Audio codec | | | Realtek ALC888S HD Audio 3 x Audio Jacks (Line-in, Line-out, Mic-in)(Colay 2 x Audio Jacks) 1 x Analog Audio (2x5 pin, P=2.54) |
| 数字 I/O | 8-bit programmable I/O (8-bit GPIO is for programming I/O) | 8-bit digital I/O (2x5 pin) | 8-bit programmable I/O (8-bit GPIO is for programming I/O) | 8 bit digital I/O (2x5 pin) |
| 功耗 | 3.3V@1.65A, 5V@3.4A, 12V@8.58A, 5VSV@3.4A (Intel® Core™ i7-8700K up to 4.60 GHz CPU with 32GB 2600MHz DDR4 memory) | 3.3V@0.39A, 5V@2.99A, 12V@3.08A, 5VSB@0.2A (Intel® Core™ i5-8500 up to 3.00 GHz CPU with 20 GB 2400/2133 MHz DDR4 memory) | 3.3V@1.51A, 5V@3.31A, 12V@9.02A, 5VSB@3.7A (Intel® Xeon® E3-1275 v5 3.60 GHz CPU with 32 GB (four 8GB) 2133 MHz DDR4 memory) | 3.3V@0.81A, 5V@3.36A,12V@3.02A (Zhaoxin KX-U6580 CPU with 4 GB 2133 MHz DDR4 memory) |
| 看门狗 | Software programmable and supports 1~255 sec. system reset | | | Software programmable support 1~255 seconds system reset |
| 运行环境 | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | | | Temperature Range: 0°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing |
| 扩展槽 | 1 x M.2 A Key 1 x M.2 M Key 2 x PCIe Gen3 x8 3 x PCIe Gen3 x4 2 x PCI | 1 x PCIe x16 (Gen3) 1 x PCIe x4 (Gen2) 4 x PCI | 1 x Full-size PCIe Mini card slot (support mSATA) 2 x PCIe x8 slot (Gen3) 2 x PCI slot 3 x PCIe x4 slot (Gen3) | 1 x PCIe x16 (Slot1) (x8 Signal) 2 x PCIe x4 4open-end (Slot2&3) 4 x PCI (Slot 4&5&6&7) 1 x M.2 B Key w/ SIM holder (3042/3052/2242/2280) with PCIe x2/USB 3.2 Gen1/SATA 1 x Full-size Mini PCIe (PCIe x1, USB2.0) |
| CPU 散热器 | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 | 19100-000293-00-RS |

工业主板

ATX



| 型号 | IMBA-Q170-i2 | IMBA-H112 | IMBA-H110 | IMBA-H810 |
|----------------|--|--|--|---|
| CPU 插槽 | LGA1151 | LGA1151 | LGA1151 | LGA1150 |
| CPU 类型 | 6th/7th generation Intel® Core™ i7/i5/i3, Pentium® and Celeron® processor | 6th/7th generation Intel® Core™ i7/i5/i3, Celeron® and Pentium® processor | 6th/7th generation Intel® Core™ i7/i5/i3, Celeron® and Pentium® processor | 4th generation Intel® Core™ i7/i5/i3 Pentium® and Celeron® processor |
| 芯片组 | Intel® Q170 | Intel® H110 | Intel® H110 | Intel® H81 |
| 内存 | 4 x 288-pin 2133 MHz dual-channel DDR4 SDRAM unbuffered DIMMs (system max. 64 GB) | 2 x 288-pin 2133 MHz dual-channel DDR4 SDRAM unbuffered DIMMs (system max. 64 GB) | 2 x 288-pin 2133 MHz dual-channel DDR4 SDRAM unbuffered DIMMs (system max. 64 GB) | 2 x 240-pin 1333/1600 MHz dual-channel DDR3 SDRAM unbuffered DIMM (system max. 16 GB) |
| 显示接口 | Triple independent display 1 x HDMI 2.0 1 x DVI-D 1 x VGA 1 x iDP interface | Dual independent display support 1 x VGA 1 x HDMI 1 x iDP interface | Dual independent display support 1 x DVI-I 1 x HDMI 1 x iDP interface | Dual independent display support 1 x DVI-D 1 x VGA 1 x iDP interface |
| 网络 | LAN1: Intel® I219LM with Intel® AMT 11.0 support LAN2: Intel® I210-AT PCIe controller with NCSI support | LAN1: Intel® I219V PHY LAN2: Intel® I211 PCIe controller | LAN1: Intel® I219V PHY LAN2: Intel® I211 PCIe controller | LAN1: Intel® I217-LM with Intel® AMT 9.0 support LAN2: Intel® I211-AT PCIe controller |
| I/O 接口 | 2 x USB 2.0 4 x USB 3.2 Gen 1 Type A 1 x KB/MS 4 x RS-232 1 x LPT 4 x USB 2.0 2 x USB 3.2 Gen 1 2 x RS-232/422/485 1 x KB/MS | 4 x USB 3.2 Gen 1 Type A 2 x USB 2.0 1 x RS-232 1 x KB/MS 1 x RS-232/422/485 1 x LPT 1 x internal USB 2.0 (type A) 4 x RS-232 2 x USB 2.0 1 x KB/MS | 1 x KB/MS 4 x USB 3.2 Gen 1 Type A 2 x USB 2.0 2 x RS-232 1 x KB/MS 2 x RS-232 1 x LPT 2 x USB 2.0 1 x RS-232/422/485 1 x internal USB 2.0 (type A) | 1 x KB/MS 2 x USB 2.0 2 x RS-232 2 x USB 3.2 Gen 1 Type A 1 x KB/MS 1 x internal USB 2.0 (180° Type-A) 1 x LPT 3 x RS-232 1 x RS-422/485 4 x USB 2.0 2 x SATA 6Gb/s 2 x SATA 3Gb/s |
| 存储 | 6 x SATA 6Gb/s (RAID 0/1/5/10 supported) | 3 x SATA 6Gb/s | 4 x SATA 6Gb/s | 2 x SATA 3Gb/s 2 x SATA 6Gb/s |
| 音频 | Realtek ALC888S HD Audio codec supports 7.1-channel 3 x Audio jacks (line-out, line-in, mic-in) on rear IO 1 x Front audio (2x5 pin) | Realtek ALC888S HD Audio codec supports 7.1-channel | Realtek ALC888S HD Audio codec supports 7.1-channel 3 x Audio jacks (line-out, line-in, mic-in) on rear IO 1 x Front audio (2x5 pin) | Realtek ALC888S HD Audio codec supports 7.1-channel 3 x Audio jacks (line-out, line-in, mic-in) on rear IO 1 x Front audio (2x5 pin) |
| 数字 I/O | 8-bit programmable I/O (8-bit GPIO is for programming I/O) | 8-bit programmable I/O (8-bit GPIO is for programming I/O) | 8-bit digital I/O (2x5 pin) | 8-bit digital I/O (2x5 pin) |
| 功耗 | 3.3V@1.65A, 5V@3.4A, 12V@8.58A, 5VSB@0.22A (Intel® Core™ i7-6700K 4.0GHz CPU with 32 GB (four 4 GB) 2133 MHz DDR4 memory) | 3.3V@1.53A, 5V@2.95A, 12V@8.38A, 5VSB@3.2A (4.0 GHz Intel® Core™ i7-6700K CPU with (two 8 GB) 2133 MHz DDR4 memory) | 3.3V@1.53A, 5V@2.95A, 12V@8.38A, 5VSB@3.2A (Intel® Core™ i7 6700K 4.0GHz CPU with 16GB (two 8GB) 2133 MHz DDR4 memory) | 3.3V@0.83A, 5V@2.2A, 12V@3.88A, 5VSB@0.3A (Intel® Core™ i7-4770K 3.90 GHz CPU with 8 GB (two 4 GB) 1333 MHz DDR3 memory) |
| 看门狗 | Software programmable and supports 1~255 sec. system reset | | | |
| 运行环境 | Temperature Range: -20°C ~ 60°C (-4°F ~ 140°F) Relative Humidity: 5% ~ 95%, non-condensing | | | |
| 扩展槽 | 1 x Full-size PCIe Mini card (support mSATA) 2 x PCIe x8 (Gen3) 3 x PCIe x4 (Gen3) 2 x PCI | 1 x Full-size PCIe Mini card (support mSATA) 1 x PCIe x16 (Gen3) 1 x PCIe x4 (Gen3) 4 x PCI | 1 x Full-size PCIe Mini card (support mSATA) 1 x PCIe x16 (Gen3) 6 x PCI | 1 x PCIe x16 2 x PCIe x1 4 x PCI 1 x PCIe Mini (support mSATA) |
| CPU 散热器 | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 | CF-115XA-R10 CF-115XE-R10 |

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AMD® Platform

Intel® Platform

NEW



NEW



NEW



NEW



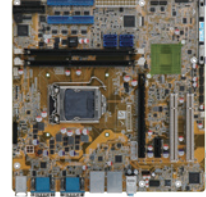
NEW



| 型号 | IMB-AM5 | IMB-V3000 | IMB-MTL | IMB-Q470 | IMB-H420 |
|----------------|---|--|---|--|---|
| CPU 插槽 | AMD Socket AM5 | On board | On board | LGA1200 | LGA1200 |
| CPU 类型 | AMD Ryzen™ 7000&8000G PHX1 Series Desktop Processors | AMD V3000 Series Processors TDP 15W | 14th Gen. Intel® mobile Meteor Lake-H on-board processor | 10th/11th Gen Intel® Core™ i9/i7/i5/i3, Pentium® or Celeron® processor up to 125W TDP | 10th/11th Gen Intel® Core™ i9/i7/i5/i3, Celeron® and Pentium® processor up to 65W |
| 芯片组 | AMD Socket AM5 | AMD V3000 Series Processors TDP 15W | 14th Gen, Intel® mobile Meteor Lake-H on-board processor | Intel® Q470/Q470E | Intel® H420/H420E |
| 内存 | Four 288-pin 5200 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs supported (system max. 192GB) | Two 262-pin 5600 MHz DDR5 SO-DIMM (system max. 96GB) | Two 262-pin 5600 MHz DDR5 SO-DIMM (system max. 96GB) | Two 288-pin 2933 MHz unbuffered DDR4 SDRAM DIMMs supported (system max. 64GB) | Two 288-pin 2933 MHz dual-channel unbuffered DDR4 SDRAM DIMMs supported (system max. 64GB) |
| 显示接口 | Triple independent display 1 x DP 2 x HDMI | - | Quad independent display 1 x HDMI 1 x DP 1 x USB4 1 x IEI iDPM | Triple display support 1 x VGA 1 x DVI-D 1 x Internal DP | Triple display support 1 x VGA 1 x DVI-D 1 x Internal DP |
| 网络 | LAN1: Intel® I226-V 2.5GbE controller LAN2: Intel® I226-V 2.5GbE controller | 1 x 10G SFI (SFP+) 1 x 10GBASE-T (RJ45) | LAN1: Intel® I226LM 2.5GbE controller LAN2: Intel® I226V 2.5GbE controller LAN3: For IPMI | LAN1: Intel® I219-LM GbE controller LAN2: Intel® I225-V/I226-V controller | LAN1: Intel® I225-V/I226-V controller LAN2: Intel® I225-V/I226-V controller |
| I/O 接口 | 2 x USB 3.2 Gen2 (Type-A) 4 x USB 3.2 Gen1 (Type-A) 1 x RS-232/422/485 (RS-485 support AFC) 1 x RS-232/422/485 (RS-485 support AFC) (2x5 pin, P=2.54) 4 x RS-232 (2x5 pin, P=2.54) 4 x USB2.0 (2x4 pin, P=2.54) | 2 x USB 3.2 Gen2 (Type-A) (10Gb/s) 4 x USB 2.0 (Type-A) 2 x RS-232/422/485 (RS-485 support AFC) 4 x RS-232 (2x5 pin, P=2.54) 1 x RJ45 for IRIS2-2600 (F830) | 2 x USB 2.0 (2x4 pin, P=2.54) 4 x RS-232 (2x5 pin, P=2.0) 2 x RS-232/422/485 (2x5 pin, P=2.0) 2x USB 3.2 Gen 2 (10Gb/s) 4 x USB 2.0 | 8 x USB 3.2 Gen1 6 x USB 2.0 1 x KB/MS 10 x RS-232 (2 x 2 x20-pin, 2 x 2x5 pin, P=2.54) 1 x LPT (2x13 pin) | 8 x USB 3.2 Gen1 6 x USB 2.0 1 x KB/MS 10 x RS-232 (2 x 2x20 pin, 2 x 2x5 pin, P=2.54) 1 x LPT (2x13 pin) |
| 存储 | 4 x SATA 6Gb/s | 2 x SATA 6Gb/s (RAID 0/1 supported) | 2 x SATA 6Gb/s | 4 x SATA 6Gb/s | 4 x SATA 6Gb/s |
| 音频 | Realtek ALC888S HD Audio codec supports 7,1-channel 3 x Audio jacks (line-out, line-in, mic-in) on rear IO 1 x Front audio (2x5 pin) | - | Realtek ALC888S HD Audio codec 1 x Audio Jack (Line-out, Mic-in) 1 x Analog audio (2x5 pin) | Realtek ALC888S HD Audio codec 3 x Audio jack (Line-in, Line-out, Mic-in) 1 x Analog audio (2x5 pin) | Realtek ALC888S HD codec 3 x Audio jack (Line-in, Line-out, Mic-in) on rear IO 1 x Front audio (2x5 pin) |
| 数字 I/O | 12-bit digital I/O (2x7 pin) | 12-bit digital I/O (2x7 pin) | 12-bit digital I/O (2x7 pin) | 8-bit Digital I/O (2x5 pin) | 8-bit Digital I/O (2x5 pin) |
| 功耗 | 3.3V@1.66A, 5V@9.29A, 12V@16.33A, 5VSB@0.07A (AMD Ryzen 9 7950X 170W with four Transcend JM5600ALE-16GB memory) | TBD | TBD | 3.3V@1.13A, 5V@10.14A, 12V@11.86A, 5VSB@0.23A (11th Gen. Intel® Core® i9-11900K 3.50 GHz 125W CPU with 32GB 2933MHz DDR4 memory, EUP enabled) 3.3V@1.16A, 5V@10.45A, 12V@5.93A, 5VSB@0.26A (10th Gen. Intel® Core® i9-10900E) | 3.3V@1.59A, 5V@10.18A, 12V@6.84A, 5VSB@0.23A (10th Gen. Intel® Core® i9-10900E 2.80 GHz 65W CPU with 32GB 2933MHz DDR4 memory, EUP enabled) |
| 看门狗 | Software Programmable support 1~255 sec. System reset | | | | |
| 环境 | Temperature Range: 0°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing |
| 扩展槽 | 1 x PCIe x16 2 x PCIe x4 1 x PCIe x1 (Slot 2, PCIe Gen4 x1) 1 x M.2 M Key (2242/2280, PCIe x4) 1 x M.2 M Key (2242/2280, PCIe x2) | 1 x PCIe x16 (Slot1) with Gen4 x8 signal 1 x PCIe Gen4 x4 open-end 2 x PCIe Gen4 x1 1 x M.2 M Key (2242/2280, PCIe Gen4 x1) NVMe support 1 x M.2 B Key (2242/2280, PCIe Gen4 x1) NVMe support (IPMI) | 1 x PCIe Gen5 x8 3 x PCIe Gen4 x4 1 x M.2 B key 3080 (IRIS2-2600) 1 x M.2 M key 2280 (PCIe Gen4 x2) | 1 x PCIe Gen3 x16 slot 2 x PCIe Gen3 x4 slot 1 x M.2 B key 2242/2280 (PCIe Gen3 x2) 1 x M.2 M key 2242/2280 (PCIe Gen3 x4) | 1 x PCIe Gen3 x16 slot 1 x PCIe Gen3 x1 slot 1 x M.2 M key 2242/80 (PCIe Gen3 x2) |
| CPU 散热器 | 19100-000344-00-RS 19100-000345-00-RS 19100-000348-00-RS 19100-000338-00-RS | - | - | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 |

工业主板

microATX



| 型号 | IMB-ADL-Q670 | IMB-ADL-H610 | IMB-H110 | IMB-H810 |
|---------|---|--|--|--|
| CPU 插槽 | LGA1700 | LGA1700 | LGA1151 | LGA1150 |
| CPU 类型 | 12th/13th/14th generation Alder Lake-S/Raptor Lake-S Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor, up to 125W TDP | LGA1700 socket supports 12th/13th/14th generation Alder Lake-S/Raptor Lake-S Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor, up to 65W TDP | 6th/7th generation Core™ i7/i5/i3, Pentium® or Celeron® processor | Intel® Core™ i7/i5/i3, Pentium®, Celeron® processor |
| 芯片组 | Intel® Q670/Q670E | Intel® H610/H610E | Intel® skylake H110 | Intel® H81 |
| 内存 | Four 288-pin 3200 MHz Dual-Channel DDR4 SDRAM Unbuffered DIMMs supported (system max.128GB) | Two 288-pin 3200 MHz dual-channel DDR4 SDRAM unbuffered DIMMs supported (system max. 64GB) | Two 288-pin 2133 MHz dual-channel DDR4 SDRAM unbuffered DIMMs supported (system max. 64GB) | Two 240-pin 1600/1333 MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs (system max. 16 GB) |
| 显示接口 | Triple independent display 1 x VGA 1 x DVI-I 1 x Internal DP++ | Triple independent display 1 x DP 1.4a 1 x HDMI 2.0b 1 x iDPM 3040 slot (only for IEI eDP/LVDS/VGA module) | Dual independent display support 1 x VGA 1 x DVI-I 1 x 18/24-bit dual-channel LVDS 1 x iDP | Triple display support 1 x VGA1 1 x VGA2 1 x iDP Interface |
| 网络 | LAN1: Intel® I225LM/I226LM 2.5GbE controller LAN2: Intel® I225V/I226V 2.5GbE controller | LAN1: Intel® i219 LM controller LAN2: Intel® I225V/I226V 2.5GbE controller | LAN1: RTL 8111GN controller LAN2: RTL 8111GN controller | LAN1: Intel® I217LM LAN2: Intel® I210-AT PCIe controller with NCSI support |
| I/O 接口 | 4 x USB 3.2 Gen2 (Type A) 6 x USB 3.2 Gen1 (Type A) 4 x USB 2.0 (Type A) 2 x RS-232/422/485 (2x5 pin, P=2.54) 8 x RS-232 (2x20 pin, P=2.54) | 2 x USB 3.2 Gen2 x1 (Type-A) 2 x USB 3.2 Gen1 x1 (Type-A) 4 x USB 2.0 (Type-A) 2 x RS-232/422/485 (RS-485 support AFC) 2 x USB 2.0 (2x4 pin, P=2.54) 4 x RS-232 (2x5 pin, P=2.54) | 1 x KB/MS (1x6 pin) 2 x RS-232/422/485 (2x5 pin, P=2.0) 1 x LPT (2x13 pin, P=2.54) 2 x USB 2.0 (2x4 pin, P=2.0) 10 x RS-232 (2x5 pin, P=2.0) | 1 x KB/MS 2 x USB 2.0 2 x RS-232 2 x USB 3.2 Gen 1 Type A 1 x LPT pin header 1 x RS-422/485 (pin header) 8 x RS-232 pin header 8 x USB 2.0 pin header |
| 存储 | 4 x SATA 6Gb/s (RAID 0/1/5/10 supported) | 4 x SATA 6Gb/s (RAID 0/1/5/10 supported) | 4 x SATA 6Gb/s (RAID 0/1 supported) | 2 x SATA 6Gb/s 2 x SATA 3Gb/s (AHCI supported) |
| 音频 | Realtek ALC888S HD Audio codec supports 7.1-channel 3 x Audio jacks (line-out, line-in, mic-in) on rear IO 1 x Front audio (2x5 pin) | 1 x iAUDIO, supports IEI AC-KIT-888S Audio Kit (2x5 pin) | Realtek ALC888S HD Audio codec supports 7.1-channel 3 x Audio jacks (line-out, line-in, mic-in) on rear IO 1 x Front audio (2x5 pin) | Realtek ALC888S HD Audio codec |
| 数字 I/O | 1 x 12-bit digital I/O (2x7 pin) | 1 x 12-bit digital I/O (2x7 pin) | 8-bit programmable digital I/O | N/A |
| 功耗 | 3.3V@1.36A, 5V@11.85A, 12V@5.75A, 5VSB@0.38A (Intel® Core™ i9-12900E CPU with two 32 GB 3200 MHz DDR4 memory, EuP mode enabled) | 3.3V@0.35A, 5V@7.54A, 12V@5.75A, 5VSB@0.96A (Intel® Core™ i9-12900E CPU with 8 GB 3200 MHz DDR4 memory, EuP mode enabled) | 3.3V@0.93A, 5V@2.99A, 12V@6.88A, 5VSB@0.02A (Intel® Core™ i7-6700K 4.0GHz CPU with 16GB (two 8GB) 2133 MHz DDR4 memory) | 3.3V@0.64A, 5V@4.20A, 12V@0.14A, Vcore_12V@3.88A, 5VSB@0.20A (Intel® Core™ i7-4770K 3.90 GHz CPU with 8 GB two 1333 MHz 4 GB DDR3 memory) |
| 看门狗 | Software programmable and supports 1~255 sec. system reset | | | |
| 环境 | Temperature Range: -10°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing | | Temperature Range: -20°C ~ 60°C (-4°F~140°F) Relative Humidity: 5% ~ 95% non-condensing | |
| 扩展槽 | **1 x PCIe Gen4 x16 **1 x PCIe Gen4 x4 open-end 1 x PCIe Gen4 x4 open-end 1 x PCIe Gen3 x1 1 x M.2 M key 2242/80 (PCIe Gen3 x4) 1 x M.2 M key 2242/80 (PCIe Gen3 x2) | *1 x PCIe Gen4 x16 Slot with x16 Signal 1 x PCIe Gen3 x4 open-end 2 x PCIe Gen3 x1 1 x M.2 M Key 2280 (PCIe x1) | 1 x PCIe x16 (Gen3) 1 x Full-size PCIe Mini card 1 x PCIe x1 (Gen2) 2 x PCI | 1 x PCIe x16 (Gen 3) 1 x PCIe x1 2 x PCI |
| CPU 散热器 | 19100-000319-00-RS 19100-000326-00-RS 19100-000327-00-RS 19100-000328-00-RS | 19100-000323-00-RS | CF-115XA-R10 CF-115XE-R10 | CF-115XA-R10 CF-115XE-R10 |

**Intel® recommends that Alder Lake-S CPU PCIe ports are only used for discrete graphics and storage devices

工业主板

Mini-ITX

AMD® Platform

Intel® Platform

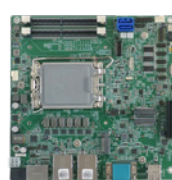
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| 型号 | KINO-AM5 | KINO-MPHX | KINO-ADL-N | KINO-ADLPS | KINO-EHL2 |
|----------------|--|---|---|--|---|
| CPU 插槽 | AMD AM5 | On Board | On Board | LGA1700 | On Board |
| CPU 类型 | AMD Ryzen™ 7000&8000G Series Desktop Processors | AMD Ryzen™ 7000 Series Mobile Processors | Intel® Alder Lake-N SoC Processor | Intel® Alder Lake PS CPU | Intel® Elkhart Lake Processor Intel® Celeron® J6412 on-board SoC |
| 芯片组 | AMD Ryzen™ 7000&8000G | AMD Ryzen™ 7000 Series Mobile Processors | Intel® Alder Lake-N SoC Processor | Intel® Alder Lake PS CPU | Intel® Elkhart Lake Processor Intel® Celeron® J6412 on-board SoC |
| 内存 | Two 260-pin 5200 MHz dual-channel DDR5 SDRAM unbuffered DIMMs supported (system max. 64GB) | Two 260-pin 5600 MHz dual-channel DDR5 SDRAM unbuffered DIMMs supported (system max. 64GB) | 1 x 262-pin 4800 MHz DDR5 SO-DIMM (system max. 16GB, support IBCEC) | Two 3200 MHz DDR4 SO-DIMMs | One 260-pin 3200 MHz DDR4 SO-DIMM (system max. 16GB) |
| 显示接口 | 1 x DP 1.4 2 x HDMI 2.0 | - | 2 x HDMI 1.4 1 x DP 1.4 | 1 x DP 1.4 1 x HDMI 2.0 1 x iDPM support IEI eDP/LVDS/VGA module | Triple Independent Displays 1 x HDMI 1.4 1 x DP 1.4 1 x IEI iDPM 3040 slot (only for IEI eDP/LVDS/VGA module) |
| 网络 | LAN1: Intel I226V 2.5GbE controller LAN2: Intel I226V 2.5GbE controller | LAN1: Realtek RTL8125BG-CG 2.5GbE controller LAN2: Realtek RTL8125BG-CG 2.5GbE controller LAN3: Realtek RTL8125BG-CG 2.5GbE controller | LAN1: Intel® I226V 2.5GbE controller LAN2: Intel® I226V 2.5GbE controller Support TSN (x7000 Series) | LAN1: Intel® I225-V/I226-V 2.5GbE controller LAN2: Intel® I225-V/I226-V 2.5GbE controller | LAN1: Intel® I225-V/I226-V 2.5GbE controller LAN2: Intel® I225-V/I226-V 2.5GbE controller |
| I/O 接口 | 2 x USB 3.2 Gen2 (Type-A) 4 x USB 3.2 Gen1 (Type-A) 1 x RS-232/422/485 1 x RS-232/422/485 (2x5 pin, P=2.0) 4 x RS-232 (2x5 pin, P=2.0) 4 x USB 2.0 (2x4 pin, P=2.0) | 2 x USB 3.2 Gen2 (Type-A) (10Gb/s) 4 x USB 3.2 Gen1 (Type-A, 5Gb/s) from PCIe to USB bridge EJ198 2 x RS-232/422/485 (2x5 pin, P=2.0) 2 x USB 2.0 (2x4 pin, P=2.0) | 2 x USB 3.2 Gen 2 (10Gb/s) 2 x USB 2.0 2 x USB 2.0 (2x4 pin, P=2.0) 1 x USB 3.2 (Type A, 180°) (Only embedded CPU) 2 x RS-232/422/485 (2x5 pin, P=2.0) 4 x RS-232 (2x5 pin, P=2.0) | 2 x RS232/422/485 via DB-9 (RS-485 support AFC) 2 x USB 2.0 (Type A) 2 x USB 3.2 Gen 2 (Type A) (10Gb/s) 2 x USB 3.2 Gen 2 (Type A) (10Gb/s) 2 x USB 2.0 (2x4 pin, P=2.0) 4 x RS-232 (2x5 pin, P=2.0) | 2 x USB 3.2 Gen2 (10Gb/s) (USB Type A) 2 x USB 2.0 (USB Type A) 2 x RS-232 4 x USB 2.0 (2x4 pin, P=2.0) 2 X RS-232/422/485 (2x5 pin, P=2.0) 2 X RS-232 (2x5 pin, P=2.0) |
| 存储 | 2 x SATA 6Gb/s | 2 x SATA 6Gb/s | 2 x SATA 6Gb/s | 2 x SATA 6Gb/s | 2 x SATA 6Gb/s |
| 音频 | Realtek ALC888S HD Audio codec 3 x Audio jack (Line-in, Line-out, MIC-in) | Realtek ALC888S HD Audio codec 2 x Audio jack (Line-out, Mic-in) 1 x Front audio (2x5 pin) | Realtek ALC888S HD Audio codec 1 x Audio Jack (line-out/MIC-in) on rear IO 1 x Front audio (2x5 pin) | 1 x IAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin) | Realtek ALC888S HD Audio codec 3 x Audio Jack (Line-in, Line-out, Mic-in) 1 x Analog audio (2x5 pin) |
| 数字 I/O | 12-bit digital I/O (2x7 pin, P=2.0) | | 12-bit digital I/O (2x7 pin) | 12-bit digital I/O (2x7 pin) | 12-bit digital I/O (2x7 pin, P=2.0) |
| 功耗 | 12V@13.60A (AMD Ryzen™ 9 7900 3.7GHz CPU with Apacer D22.35305H.001 32GB 5600MHz DDR5 memory) | TBD | 12V@4.304A, 19V@2.744A, 24V@2.241A, 28V@1.943A, (Intel @N97 @2.00GHz (Intel® N97 2.00GHz CPU with Innodisk M5S0-AGS2NCVP 16GB 4800MHz memory, max. loading, EuP mode enabled) | 12V@2.59A (Intel® Core i7-12700HL 2.3GHz 45W CPU with 32GB 3200MHZ DDR4 memory, max. loading, EuP mode enabled) | 12V@3.23A, 19V@2.15A, 24V@1.74A, 28V@1.53A (Intel® Celeron® J6412 2.0GHz with 32GB 3200MHZ DDR4 memory and Eup enabled) |
| 看门狗 | Software Programmable support 1~255 sec. System reset | | | | |
| 环境 | Temperature Range: 0°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing |
| 扩展槽 | 1 x PCIe Gen4 x16 1 x M.2 M key 2280 (PCIe Gen3 x4) 1 x M.2 A key 2230 (PCIe Gen3 x1 & USB 2.0) (A key will be disabled on Ryzen8000G PHX2) | 1 x PCIe x16 (slot1) with Gen4 x8 signal 1 x M.2 M key (2242/80, PCIe Gen4 x4) 1 x M.2 A key (2230, PCIe Gen4 x1 & USB 2.0) | 1 x PCIe x4 Slot Open-ended (PCIe Gen3 x1 signal) 1 x M.2 A Key 2230 for WIFI & BT (PCIe Gen3 x1 & USB 2.0) 1 x M.2 M key 2242/2280 (PCIe Gen3 x1) | 1 x PCIe Gen3 x4 (x4 or x2+x2 or x2+x1+x1) 1 x M.2 A Key 2230 for Wi-Fi & BT (PCIe Gen3 x1 & USB2.0) 1 x M.2 M Key 2242/3080 (PCIe Gen4 x4) | 1 x PCIe x4 Slot Open-ended (PCIe Gen3 x1 signal) 1 x M.2 A key 2230 (PCIe Gen3 x1 & USB 2.0) 1 x M.2 B key 3042/3052//2280 (PCIe Gen3 x2 & USB 2.0) 1 x On-board SIM card socket (hinge type) for M.2 B key |
| CPU 散热器 | 19100-000344-00-RS 19100-000345-00-RS 19100-000348-00-RS 19100-000338-00-RS | - | - | 19100-000323-00-RS 19100-000319-00-RS | - |

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Mini-ITX

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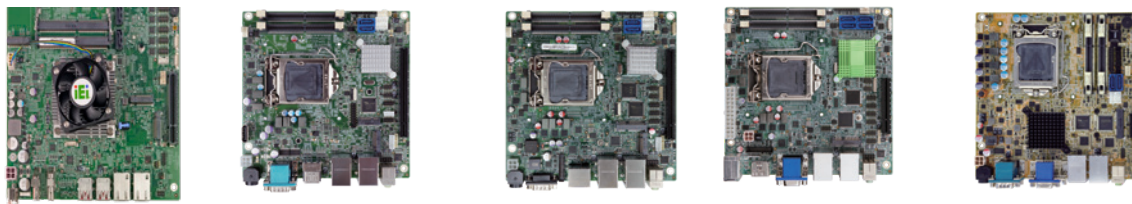
| 型号 | KINO-ADL-H610 | KINO-ADL-P | KINO-DH420 | KINO-AH420 |
|----------------|---|---|---|---|
| CPU 插槽 | LGA1700 | On Board | LGA1200 | LGA1200 |
| CPU 类型 | 12th/13th/14th generation Alder Lake-S/Raptor Lake-S Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor (up to 65W TDP CPU) | 12/13th Gen. Intel® mobile Alder Lake-P on-board processor | 10th generation Intel® Core™ i9/i7/i5/i3/Pentium® and Celeron® processor | 10th Generation Core™ i9/i7/i5/i3, Celeron® and Pentium® processor |
| 芯片组 | Intel® H610/H610E | - | Intel® H420E | Intel® H420/H420E |
| 内存 | Two 260-pin 3200 MHz dual-channel DDR4 SDRAM unbuffered SO-DIMMs supported (system max. 64GB) | Two 260-pin 3200 MHz DDR4 SO-DIMM (system max. 64GB) | Two 260-pin 2933 MHz dualchannel DDR4 SO-DIMMs (system max. 64GB) | Two 260-pin 2933 MHz Dual-Channel DDR4 SO-DIMMs (system max. 64GB)) |
| 显示接口 | Triple independent display 1 x DP 1.4 1 x HDMI 2.0 1 x IEI iDPM 3040 slot (only for IEI eDP/ LVDS/ VGA module) | Triple independent display 1 x HDMI 1.4 1 x DP 1.4 1 x IEI iDPM 3040 slot (only for IEI eDP/ LVDS/ VGA module) | Dual independent display 1 x DP 1.4 1 x HDMI 1.4 | Dual independent display 2x HDMI (up to 4096 x 2160@30Hz) |
| 网络 | LAN1: Intel® I225V/I226V 2.5GbE controller LAN2: Intel® I225V/I226V 2.5GbE controller | LAN1: Intel® I225LM/I226LM 2.5GbE controller LAN2: Intel® I225V/I226V 2.5GbE controller LAN3: Intel® I225V/I226V 2.5GbE controller | LAN1: Intel® I225V/I226V GbE controller LAN2: Intel® I225V/I226V GbE controller LAN3: Intel® I225V/I226V GbE controller | LAN1: Intel® I225-V/I226-V 2.5GbE controller LAN2: Intel® I225-V/I226-V 2.5GbE controller |
| I/O 接口 | 2 x USB 3.2 Gen2 (Type-A) 2 x USB 3.2 Gen1 (Type-A) 2 x USB 2.0 (Type-A) 2 x RS-232/422/485 2 x USB 2.0 (2x4 pin, P=2.0) 4 x RS-232 (2x5 pin, P=2.0) | 4 x USB 3.2 Gen 2 (Type A) 2 x RS-232/422/485 4 x USB 2.0 (2x4 pin, P=2.0) 4 x RS-232 (2x5 pin, P=2.0) | 2 x RS-232 2 x USB 2.0 4 x USB 3.2 Gen 1 Type A 1 x RS-232 (2x5 pin, P=2.0) 1 x RS-232/422/485 (1x4 pin, P=2.0) 2 x USB 2.0 (2x4 pin, P=2.0) | 2 x RS-232 (DB-9) 2 x USB 2.0 (Type-A) 4 x USB 3.2 Gen 1 (5Gb/s) (Type-A) 1 x RS-232 (2x5 pin, P=2.0) 1 x RS-422/485 (1x4 pin, P=2.0) 2 x USB 2.0 (2x4 pin, P=2.0) |
| 存储 | 2 x SATA 6Gb/s | 1 x iAUDIO, support IEI AC-KIT888S Audio Module (2 x 5 pin) | 2 x SATA 6Gb/s (No RAID) | 2 x SATA 6Gb/s (No RAID) |
| 音频 | 1 x iAUDIO, supports IEI AC-KIT-888S Audio Kit (2x5 pin) | 1 x iAUDIO, supports IEI AC-KIT-888S Audio Kit (2x5 pin) | Realtek ALC888S HD codec 2 x Audio Jack (Line-out, Mic-in) 1 x Front Audio (2x5 pin, P=2.54) | Realtek ALC888S HD codec 2 x Audio Jack (Line-out, Mic-in) 1 x Front Audio (2x5 pin, P=2.54) |
| 数字 I/O | 12-bit digital I/O (2x7 pin, P=2.0) | 12-bit digital I/O (2x7 pin) | 8-bit digital I/O connector (2x5 pin) | 8-bit digital I/O connector (2x5 pin) |
| 功耗 | 3.3V@0.96A, 5V@6.49A, 12V@5.95A, 5VSB@1.05A (Intel® Core™ i9-12900E CPU with two 16 GB 3200 MHz DDR4 memory, max. loading, EuP mode enabled) | 12V@5.09A, 19V@3.25A, 24V@2.58A, 28V@2.23A, (12th Gen Intel® Core™ i71270PE CPU with 32 GB 3200 MHz DDR4 memory, max. loading, EuP mode disabled) | 12V@12.408A (Intel® Core™ i9-10900E CPU with two 32 GB 2933 MHz DDR4 memory, EuP/ErP mode disabled) | 3.3V@0.81A, 5V@7.15A, 12V@4.28A, 5VSB@0.16A (Intel® Core™ i9-10900E CPU with two 32 GB 3200 MHz DDR4 memory, EuP mode enabled) |
| 看门狗 | Software programmable and supports 1~255 sec. | | | |
| 环境 | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing |
| 扩展槽 | **1 x PCIe x16 (Slot1) with x16 Signal Gen4 1 x M.2 M key 2242/2280 (PCIe Gen3 x4) 1 x M.2 A Key 2230 (PCIe Gen3 x1&USB 2.0) | 1 x PCIe Gen3 x4 1 x M.2 E Key (WIFI&BT 2230) 1 x M.2 B key 3042 (PCIe Gen3 x2/USB2.0) 1 x M.2 M key 2280 (PCIe Gen3 x4) | 1 x PCIe Gen3 x16 1 x M.2 A key (2230) 1 x M.2 B key (3042/52/2242/80) | 1 x PCIe Gen3 x16 1 x M.2 A key (2230) (PCIe Gen 3 x1/ USB 2.0) 1 x M.2 B key (3042/3052/2242/2280) |
| CPU 散热器 | 19100-000323-00-RS 19100-000319-00-RS 19100-000333-00-RS | Cooler/Heatsink | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 |

**Intel® recommends that Alder Lake-S CPU PCIe ports are only used for discrete graphics and storage devices

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Mini-ITX

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| 型号 | KINO-TGL-U | KINO-DH310 | KINO-DH110 | KINO-AQ170 | KINO-DH810 |
|----------------|--|--|---|--|--|
| CPU 插槽 | On Board | LGA1151 | LGA1151 | LGA1151 | LGA1150 |
| CPU 类型 | 11th Gen. Core™ i7/i5/i3, Celeron® UP3 processor (code name: Tiger Lake) | 8th/9th generation Intel® Core™ i9/i7/i5/i3, Pentium® or Celeron® processor (35W/65W) | 6th/7th generation Intel® Core™ i7/i5/i3 Pentium® and Celeron® processor | 6th/7th generation Intel® Core™ i7/i5/i3, Pentium® and Celeron® processor | 4th generation LGA1150 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported |
| 芯片组 | - | Intel® H310 | Intel® H110 | Intel® Q170 | Intel® H81 |
| 内存 | Two 260-pin 3200 MHz DDR4 SO-DIMM (system max. 64GB) | Two 260-pin 2666/2400 MHz Dual-channel DDR4 SDRAM Unbuffered SO-DIMM slots | Two 260-pin 2133MHz dual-channel DDR4 SDRAM unbuffered SO-DIMM (system max. 32GB) | Two 260-pin 2133 MHz dual-channel DDR4 SDRAM SO-DIMMs (system max. 64 GB) | Two 204-pin 1600/1333 MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs (system max. 16 GB) |
| 显示接口 | Triple independent display 1 x HDMI 1.4 1 x DP 1.4 1 x IEI iDPM 3040 slot (only for IEI eDP/LVDS/VGA module) | Dual independent display 2 x HDMI 1 x Internal DisplayPort (180°) | Dual independent display 1 x DP++ 1 x HDMI 1 x iDP interface for HDMI, LVDS, VGA, DVI, DP | Triple independent display supported 1 x HDMI 2.0 1 x HDMI/DP 1 x VGA 1 x iDP interface for HDMI, LVDS, VGA, DVI, DP | Dual display supported 1 x VGA 1 x DVI-I 1 x iDP interface for HDMI, LVDS, VGA, DVI, DP |
| 网络 | LAN1: Intel®I225-V/I226-V controller LAN2: Intel®I225-V/I226-V controller | LAN1: Realtek RTL8111H PCIe GbE controller LAN2: Realtek RTL8111H PCIe GbE controller | LAN1: Intel® I219LM PCIe controller LAN2: Intel® I211 PCIe controller | LAN1: Intel® I219LM with (Intel® AMT 11.0 support) LAN2: Intel® I211 PCIe controller with NCSI support | Dual LAN: Intel® I211-AT PCIe controller |
| I/O 接口 | 4 x USB 3.2 Gen 2 (10Gb/s) 1 x RS-422/485 (1x4 pin, P=2.0) 2 x USB 2.0 (2x4 pin, P=2.0) 5 x RS-232 (2x5 pin, P=2.0) | 4 x USB 3.2 Gen 1 Type A 2 x RS-232 1 x KB/MS 1 x RS-422/485 1 x RS-232 4 x USB 2.0 | 4 x USB 3.2 Gen 1 Type A 1 x RS-232/422/485 1 x KB/MS (1x6 pin) 2 x RS-232 (2x5 pin, P=2.0) 4 x USB 2.0 (2x4 pin, P=2.0)) | 1 x KB/MS 4 x USB 3.2 Gen 1 Type A 2 x USB 2.0 2 x RS-232/422/485 (2x5 pin, P=2.0) 4 x RS-232 (2x5 pin, P=2.0) 4 x USB 2.0 (2x4 pin, P=2.0) | 2 x USB 2.0 2 x USB 3.2 Gen 1 Type A 2 x RS-232 1 x KB/MS (1x6 pin) 1 x RS-422/485 (1x4 pin, P=2.0) 4 x USB 2.0 (2x4 pin, P=2.0) 3 x RS-232 (2x5 pin, P=2.0) |
| 存储 | 2 x SATA 6Gb/s | 2 x SATA 6Gb/s | 2 x SATA 6Gb/s | 4 x SATA 6Gb/s | 2 x SATA 6Gb/s with SATA power connector |
| 音频 | 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin) | Realtek ALC888S HD Audio codec 2 x Audio Jack (Lin-out, Mic-in) 1 x Front audio (2x5 pin) | Realtek ALC888S HD Audio codec supports 7.1-channel 2 x Audio jacks (line-out, mic-in) on rear IO 1 x Front audio (2x5 pin) | Realtek ALC888S HD Audio codec | Realtek ALC888S HD Audio codec 2 x Audio jacks (line-out, mic-in) on rear IO 1 x Front audio (2x5 pin) |
| 数字 I/O | 12-bit programmable I/O (12-bit GPIO is for programming I/O) | 8-bit programmable digital I/O | 8-bit digital I/O (2x5 pin) | 8-bit digital I/O (2x5 pin) | 8-bit digital I/O (2x5 pin) |
| 功耗 | 9V@9.19A, 12V@7.768A, 28V@3.119A, 36V@2.459A (Intel® Core™ i7-1185G7E CPU and one 8 GB 2933 MHz DDR4 SO-DIMM) | 12V@11.32A (Intel® Core™ i7-8700 up to 4.60 GHz CPU with two 8GB 2666MHz DDR4 memory) | 12V@12.16A (3.4GHz Intel® Core™ i7-6700 with two 8GB 2133MHz 16GB DDR4 memory) | 3.3V@1.62A, 5V@3.54A, 12V@8.17A, 5VSB@3.6A (Intel® Core™ i7 6700K 4.0 GHz CPU with 16 GB (two 8 GB) 2133 MHz DDR4 memory) | 12V@6.03A (Intel® Core™ i7-4770K 3.90 GHz CPU with two 1333 MHz 4 GB DDR3 memory) |
| 看门狗 | Software programmable and supports 1~255 sec. system reset | | | | |
| 环境 | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: 0°C ~ 60°C (32°F-140°F) Relative Humidity: 5% ~ 95% non-condensing | Temperature Range: -20°C ~ 60°C (-4°F ~ 140°F) Relative Humidity: 5% ~ 95% non-condensing | Temperature Range: -20°C ~ 60°C (-4°F ~ 140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -20°C ~ 60°C (-4°F ~ 140°F) Relative Humidity: 5% ~ 95%, non-condensing |
| 扩展槽 | 1 x M.2 A key 2230 (PCIe Gen3 x1 & USB 2.0 signal) 1 x M.2 M key 2242/2280 (PCIe Gen3 x2 signal) | 1 x PCIe x16 1 x M.2 M key (2280, Gen2 PCIe x2 only) 1 x M.2 A Key (2230, PCIe x1 & USB 2.0) | 1 x Full-size PCIe Mini card slot (PCIe & USB) 1 x M.2 B key (SATA) 1 x PCIe x16 slot (Gen2) | 1 x PCIe x8 slot 1 x Full-size PCIe Mini card slot (support mSATA) | 1 x PCIe x1 slot 1 x Full-size PCIe Mini card slot (support mSATA) |
| CPU 散热器 | Cooler/Heatsink | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 | CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 | CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 |

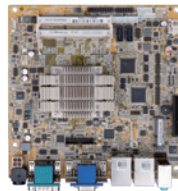
工业主板

Mini-ITX

Intel® Platform

Zhaoxin Platform

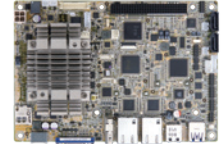
Phytium Platform



| 型号 | KINO-EHL-J6412 | KINO-DBT | eKINO-BT | KINO-KX | KINO-D2000 |
|---------|--|---|---|---|---|
| CPU 插槽 | On Board | On Board | On Board | On Board | On Board |
| CPU 类型 | Intel® Celeron® J6412 on-board SoC | Intel® Atom®/Celeron® on board SoC (Code name: Bay Trail) | Intel® Atom®/Celeron® on board SoC (Code name: Bay Trail) | Zhaoxin Kaixian KX-6000 series 8-core processor Zhaoxin KX-U6580/U6780A on-board SoC | Phytium D2000 8-core CPU |
| 芯片组 | Intel® Celeron® J6412 on-board SoC | Intel® Atom®/Celeron® on-board SoC | Intel® Atom®/Celeron® on-board SoC | Zhaoxin ZX-200 | - |
| 内存 | Onboard LPDDR4x-3200MHz 8GB (system max. 16GB) | 2 x 204-pin 1066/1333 MHz dualchannel unbuffered DDR3L SDRAM SO-DIMM support up to 8 GB (J1900) One 204-pin 1066/1333 MHz dualchannel unbuffered DDR3L SDRAM SO-DIMM supports up to 4 GB (N2807) | 2 x 204-pin 1066/1333 MHz dualchannel unbuffered DDR3L SDRAM SO-DIMM support up to 8 GB (J1900, N2930, E3845, E3827, E3826) One 204-pin 1066/1333 MHz dualchannel unbuffered DDR3L SDRAM SO-DIMM supports up to 4 GB (N2807, E3825, E3815) | 2 x 260-pin 2666 MHz dual-channel DDR4 SDRAM SO-DIMMs (system max. 64 GB) | 2* 260-pin DDR4 SODIMM , up to 16GB |
| 显示接口 | Triple independent display 1 x HDMI 1.4 1 x DP 1.4 1 x IEI iDPM 3040 slot (only for IEI eDP/LVDS/VGA module) | 1 x VGA 1 x DVI-D 1 x iDP interface for HDMI, LVDS, VGA, DVI, DP | Dual display supported 1 x VGA 2 x 18/24-bit dual-channel LVDS | Dual independent display 1 x VGA 1 x DVI-I | Triple independent display 1 x VGA 1 x DVI 1 x LVDS |
| 网络 | LAN1: Intel® I225V/I226V 2.5GbE controller LAN2: Intel® I225V/I226V 2.5GbE controller | Dual LAN: Realtek RTL8111HN PCIe controller | Dual LAN: Realtek RTL8111E PCIe controller | LAN1: Realtek RTL8111H PCIe GbE controller LAN2: Realtek RTL8111H PCIe GbE controller | LAN1: Realtek 8119I GbE controller LAN2: Realtek 8111HN GbE controller |
| I/O 接口 | 2 x USB 3.2 Gen 2 (10Gb/s) (USB Type A) 2 x USB 2.0 (USB Type A) 2 x RS-232 4 x USB 2.0 (2x4 pin, P=2.0) 4 x RS-422/485 (1x4 pin, P=2.0) | 2 x RS-232 2 x USB 2.0 2 x USB 3.2 Gen 1 Type A 1 x KB/MS pin header 1 x RS-422/485 pin header 3 x RS-232 pin header 4 x USB 2.0 pin header | 2 x USB 2.0 2 x USB 3.2 Gen 1 Type A 3 x RS-232 1 x KB/MS pin header 1 x RS-422/485 pin header 1 x RS-232 pin header 2 x USB 2.0 pin header | 10 x USB 2.0 4 x USB 3.2 Gen 1 (5Gb/s) 1 x KB/MS 2 x RS-232 (2x5 pin, P=2.0) 8 x RS-232 (2x20 pin, P=2.0) | 6 x USB3.2 Gen1 Type-A 8 x USB2.0 Type-A 2 x SATA 6Gb/s 1 x RS-232 (2*3 PIN, P=2.0) 1 x RS-232/422/485 (2*5 PIN, P=2.0) 4 x RS-232(2*20 PIN, P=2.0) 4 x RS-232/422/485(2*20 PIN, P=2.0) |
| 存储 | 1 x SATA 6Gb/s | 2 x SATA 3Gb/s 1 x microSD slot (E38xx sku only) | 2 x SATA 3Gb/s 1 x microSD card 1 x CFast slot | 4 x SATA 6Gb/s | 2 x SATA 6Gb/S 1 x M.2 B Key 2242 1 x Mini PCIe |
| 音频 | 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin, P=2.0) | Realtek ALC888S HD Audio codec | Realtek ALC888S HD Audio codec | Realtek ALC888S HD Audio codec | Realtek ALC888S HD codec |
| 数字 I/O | 12-bit DIO (2x7 pin) | 8-bit programmable digital I/O | 8-bit programmable digital I/O | N/A | 1 x 8-bit digital I/O (2x5 PIN) |
| 功耗 | 12V@2.78A (Intel® Celeron® J6412 2.0GHz with 8GB 3200MHz LPDDR4X memory and EUP enabled) | 12V@1.64A (Intel® Celeron® J1900 CPU with 4 GB 1333 MHz DDR3L memory) | 12V@1.55A (Intel® Celeron® J1900 CPU with two 8 GB 1333 MHz DDR3L memory) | 12V@3.38A, 3.3V@0.62A, 5V@9.81A, 5VSB@0.03A (Zhaoxin KX-U6580 2.5 GHz CPU with 8 GB 2400 MHz DDR4 memory) | 12V @ 0.99A, 3.3V @ 1.7A, 5V @ 0.08A, 5VSB @ 0.66A (Phytium D2000/8 E8C with 8 GB 3200 MHz DDR4 memory) |
| 看门狗 | Software programmable and supports 1~255 sec. system reset | | | | |
| 运行环境 | Temperature Range: -10°C ~ 60°C (14°F~140°F) Relative Humidity: 5% ~ 95% non-condensing | Temperature Range: -20°C ~ 60°C (-4°F ~ 140°F) Relative Humidity: 5% ~ 95%, noncondensing | Temperature Range: 0°C ~ 40°C with AUPS sub-system -20°C ~ 60°C without AUPS sub-system Relative Humidity: 5% ~ 95% noncondensing | Temperature Range: -10°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: 0~50 °C Relative humidity: 20% ~95%, 无冷凝 |
| 扩展槽 | 1 x PCIe x4 slot, open-ended 1 x M.2 A key 1 x M.2 B Key 1 x On-board SIM card socket for M.2 B key | 1 x Full-size PCIe Mini card slot (support mSATA) 1 x PCIe x4 slot (with PCIe x1 signal) | 1 x Full-size PCIe Mini card slot 1 x PCIe x1 slot | 1 x PCIe x16 slot (x8 Gen3 signal) 1 x Full-size PCIe Mini Slot | 1 x M.2 B Key 2242 1 x Mini PCIe 1 x PCIe Gen3 X16 slot (x8 signal) |
| CPU 散热器 | Cooler/Heatsink | Heatsink | Heatsink | Cooler | 19100-000286-00-RS |

单板计算机

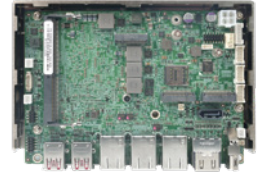
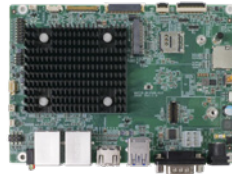
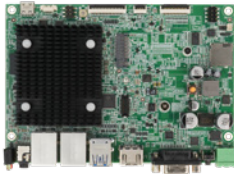
4" EPIC



| 型号 | NANO-ADL-P | NANO-EHL | NANO-ULT3 | NANO-AL | NANO-BT |
|----------------|---|---|---|--|--|
| CPU 插槽 | On board | On board | On board | On board | On board |
| CPU 类型 | 12th/13th Gen. Intel® mobile Alder Lake-P/Raptor Lake-P on-board SoC | Intel® Elkhart Lake Processor Intel® Celeron® J6412 on-board SoC (up to 2.6GHz, quad-core, 1.5M Cache, TDP=10W) | Intel® Core™ i7/i5/i3, Celeron® ULT processor | Intel® Pentium® N4200 on-board SoC Intel® Celeron® N3350 on-board SoC Intel® Atom® x7-E3950 on-board SoC Intel® Atom® x5-E3940 on-board SoC Intel® Atom® x5-E3930 on-board SoC | Intel® Atom® E3827 on-board SoC Intel® Atom® E3826 on-board SoC Intel® Atom® E3815 on-board SoC Intel® Celeron® J1900 on-board SoC Intel® Celeron® N2807 on-board SoC |
| 芯片组 | 12th/13th Gen. Intel® mobile Alder Lake-P/Raptor Lake-P on-board SoC | Intel® Elkhart Lake Processor Intel® Celeron® J6412 on-board SoC (up to 2.6GHz, quad-core, 1.5M Cache, T DP=10W) | Intel® Core™ i7/i5/i3, Celeron® ULT processor | Intel® Atom®/Celeron®/Pentium® on-board SoC | Intel® Atom®/Celeron® on-board SoC |
| 内存 | On-board LPDDR4x 3200 MHz 8GB (system max. 32GB) | On-board Dual channel LPDDR4x 8GB (system max. 16GB) | Two 260-pin 2133/1867 MHz dual-channel DDR4 SO-DIMMs (system max. 32 GB) | One 204-pin 1866/1600 MHz single-channel DDR3L SO-DIMM (system max. 8 GB) | One 204-pin 1333/1066 MHz single-channel DDR3L SO-DIMM (system max. 8 GB) |
| 显示接口 | Quadruple independent display 2 x HDMI 1.4 1 x DP 1.4 1 x iDPM 3040 slot (only for IEI eDP/LVDS/VGA module) | Triple Independent Display 1 x HDMI 1.4 1 x DP 1.4 1 x IEI iDPM 3040 slot (only for IEI eDP/LVDS/VGA module) | Triple independent display 2 x HDMI 1 x 18/24-bit dual-channel LVDS 1 x iDP interface | Triple independent display 2 x HDMI 1 x 18/24-bit dual-channel LVDS 1 x iDP interface for HDMI, LVDS, VGA, DVI, DP | Dual display supported 1 x VGA 1 x HDMI 1 x 18/24-bit dual-channel LVDS |
| 网络 | 2 x Intel® I225V/I226V 2.5GbE controller (Colay with I225-LM/I226-LM) | LAN1: Intel® I225-V/I226-V 2.5GbE controller LAN2: Intel® I225-V/I226-V 2.5GbE controller | LAN1: Intel® I219-LM PHY with Intel® AMT 11.0 supported LAN2: Intel® I211-AT PCIe GbE controller | Intel® I211-AT PCIe controller | NANO-BT-i1 LAN1: Intel® I210-AT PCIe controller with NCSI support LAN2: Intel® I210-AT PCIe controller » NANO-BT-E38XX1W2 LAN1: Intel® I210-IT PCIe controller with NCSI support LAN2: Intel® I210-IT PCIe controller |
| I/O 接口 | 4 x USB 2.0 (2x4 pin, P=2.0) 2 x RS-232/422/485 (2x5 pin, P=2.0) 4 x RS-232 (2x5 pin, P=2.0) | 2 x USB 3.2 Gen2 2 x USB 2.0 2 x USB 2.0 (2x4 pin, P=2.0) 4 x RS-232 (2x5 pin, P=2.0) 2 x RS-232/422/485 (2x5 pin, P=2.0) | 4 x USB 3.2 Gen 1 1 x USB 2.0 (180° Type-A) 1 x KB/MS (1x6 pin) 2 x USB 2.0 (2x4 pin, P=2.0) 1 x RS-232/422/485 (2x5 pin, P=2.0) 2 x RS-232 (2x5 pin, P=2.0) | 1 x KB/MS (1x6 pin) 2 x USB 2.0 (2x4 pin, P=2.0) 2 x RS-232/422/485 (2x5 pin, P=2.0) 4 x RS-232 (2x5 pin, P=2.0) | 1 x PS/2 KB/MS 1 x USB 2.0 1 x USB 3.2 Gen 1 (5Gb/s) 1 x RS-422/485 (1x4 pin, P=2.0) 2 x USB 2.0 (2x4 pin, P=2.0) 3 x RS-232 (2x5 pin, P=2.0) |
| 存储 | 1 x SATA 6Gb/s | 1 x SATA 6Gb/s with 5V SATA power connector 1 x iSATA | 2 x SATA 6Gb/s with 5V SATA power connector 1 x 8 GB eMMC (optional) | 2 x SATA 6Gb/s with 5V SATA power connector | 2 x SATA 3Gb/s with 5V SATA power connector |
| 音频 | 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin) | 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin) | Realtek ALC888S HD Audio codec 1 x Front audio (2x5 pin) | N/A | Realtek ALC888S HD Audio codec 1 x Front audio (2x5 pin) |
| 数字 I/O | 12-bit Digital I/O (2x7 pin) | 12-bit digital I/O (2x7 pin) | 8-bit programmable digital I/O | 8-bit digital I/O (2x5 pin) | 8-bit digital I/O (2x5 pin) |
| 功耗 | 12V@4.62A (12th Gen Intel® Core™ i7-1265UE CPU with 8 GB 3200 MHz LPDDR4x memory, max. loading, EuP mode enabled) | 12V@2.75A (Intel® Celeron® J6412 CPU with 8 GB 3200 MHz LPDDR4x memory, max. loading, EuP mode disabled) | 12V@2.48A (Intel® Core™ i3-6100U CPU with two 8 GB memory) | 12V@2.13A (Intel® Pentium® N4200 CPU with one 8GB 1600MHz DDR3L memory) 12V@2.81A (Intel® Atom® x7-E3950 CPU with one 8GB 1600MHz DDR3L memory) | 12V@1.52A (Intel® Atom® Processor J1900 CPU with one 8 GB 1333 MHz DDR3L memory) |
| 看门狗 | Software programmable and supports 1~255 sec. system reset | | | | |
| 运行环境 | Temperature Range: -10°C ~ 65°C (14°F~140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 65°C (14°F~140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -20°C ~ 60°C (-4°F ~ 140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: NANO-AL: -20°C ~ 70°C (-4°F~158°F) NANO-ALW2: -40°C ~ 85°C (-40°F~185°F) Relative Humidity: 5% ~ 95% non-condensing | Temperature Range: NANO-BT-i1: -20°C ~ 60°C (-4°F ~ 140°F) NANO-BTW2: -40°C ~ 85°C (-40°F ~ 185°F) Relative Humidity: 5% ~ 95% non-condensing |
| 扩展槽 | 1 x M.2 A Key for Wi-Fi & BT 2230 (PCIe Gen3 x1 & USB 2.0) 1 x M.2 B-key 3042/2280 (PCIe Gen3 x2 & USB 2.0) 1 x On-board SIM card socket (hinge type) for M.2 B key 1 x PCIe x4 slot (PCIe x4 signal, x4 or x2+x2 or x1+x1+x1) | 1 x M.2 B Key 2242/2280 (PCIe Gen3 x2 & USB2.0) 1 x M.2 A Key 2230 (PCIe Gen3 x1 & USB2.0) 1 x PCIe x4 slot (PCIe Gen3 x2 signal) (x2 or x1+x1) | 1 x Full-size PCIe Mini card slot (with SIM holder & mSATA support) 1 x Half-size PCIe Mini card slot | 1 x Full/Half-size PCIe Mini slot with SIM holder (optional) 1 x M.2 2242 (B key, SATA, USB 2.0, USB 3.2 Gen1 (5Gb/s) signal only) 1 x micoSD (optional) | 1 x Full-size PCIe Mini card slot (support mSATA co-lay SATA port 2) 1 x PCI-104 slot (PCI signal) 1 x microSD slot (E38XX SKU only) |
| CPU 散热器 | Heat Spreader | Heat Spreader | Heat Spreader | Heatsink | Heatsink |

单板计算机

3.5” 单板计算机

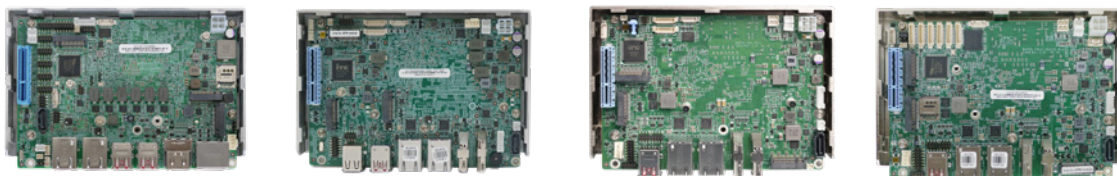


| 型号 | WAFER-IMX8MP | WAFER-RK3588 | WAFER-RK3568 | WAFER-TGL-U |
|----------------|--|--|---|---|
| CPU 插槽 | On board | On board | On board | On board |
| CPU 类型 | NXP i.MX 8M Plus Quad (Quad-core Cortex-A53 up to 1.8 GHz) | Rockchip RK3588 (Quad core Cortex A76 + Quad core Cortex A55) | Rockchip RK3568 (Quad-core Cortex-A55 up to 2.0GHz) | 11th Gen. Intel® mobile Tiger Lake-UP3 SoC |
| 芯片组 | NXP i.MX 8M Plus Quad (Quad-core Cortex-A53 up to 1.8 GHz) | Rockchip RK3588 | Rockchip RK3568 | Intel® Mobile ULT processors |
| 内存 | 4 GB LPDDR4-3200 (system max. 8GB) | 8GB LPDDR4x | 2GB/4GB LPDDR4/4x (system max. 8GB) (the 2GB sku only supports Linux) | One 260-pin 3200 MHz DDR4 SO-DIMM (system max. 32GB) |
| 显示接口 | 1 x MIPI DSI 4 lanes (40-pin 0.5mm FPC 90°) | 1 x MIPI DSI / 1 x LVDS out | 1 x HDMI 2.0 Type A, up to 4K 1 x MIPI DSI, 4-lane (40-pin 0.5mm FPC 90°) 1 x eDP 1.3 (30-pin 0.5mm FPC 90°) | Four Independent Displays 2 x HDMI 1.4 1 x DP 1.4 1 x IEI iDPM 3040 slot (only for IEI eDP/LVDS/VGA module) |
| 网络 | LAN1: Motorcomm YT8521S 1GbE controller LAN2: Motorcomm YT8521S 1GbE controller | LAN1: Realtek RTL8125B 2.5GbE controller LAN2: Motorcomm YT8521SC 1GbE controller | 2 x 1GbE RJ45 by YT8521 | LAN1: Intel@I225-V/I226-V 2.5GbE controller LAN2: Intel@I225-V/I226-V 2.5GbE controller LAN3: Intel@I225-V/I226-V 2.5GbE controller |
| I/O 接口 | 2 x GbE RJ45 2 x USB 5Gbps Type A 1 x Full RS-232/422/485 (DB9 Port) 1 x RS-232/RS-485 (2x3 pin header) 1 x I ² C (for Touch, 8-pin 2.0mm FPC) 8-bit GPIO (4 in / 4 out, pin header) | 1 x GbE LAN 1 x 2.5 GbE LAN 1 x USB 3.2 Gen 1 Type C with DP (OS update) 1 x USB 3.2 Gen 1 Type A 2 x USB 2.0 Type A UART (2x9 pin header) 1 x DC jack | 1 x DB9 port 2 x RS-232/RS-485 2 x 1GbE RJ45 by YT8521 2 x USB 3.0 Type A 3 x USB 2.0 (2x4 pin, P=2.0) 1 x MIPI CSI, 4 lanes 1 x I ² C Connector for TP 1 x Console port 1 x M.2 B Key | 4 x USB 3.2 Gen 2 2 x USB 2.0 (P=2.0) 2 x RS-232/422/485 (2x5 pin, P=2.0) 1 x RS-232 (2x5 pin, P=2.0) |
| 存储 | 16GB eMMC NAND flash, up to 128GB | 32GB of eMMC NAND Flash 1 x SATA up to 6Gb/s | 1 x microSD Slot | 1 x SATA 6Gb/s |
| 音频 | 1 x 3.5mm Audio Jack (Mic-in & Line out) | Pin header to Mic-in / line-out jack | 1 x Line out + Mic, 2x3 pin header 1 x 2-pin socket for speaker (1 x 1.3W) 1 x MIC (Wire to Board, WAFER, 1x2 pin, DIP, 180°P=1.25mm) | 1 x iAUDIO (2x5 pin) supporting IEI AC-KIT-888S kit |
| 数字 I/O | 8-bit GPIO (4 in / 4 out, pin header) | 14-bit DIO (7 in / 7 out, pin header) | 14-bit GPIO 7 in / 7 out, 2x8 pin header | 12-bit digital I/O (2x7pin) |
| 功耗 | Maximum 36W | - | 12V DC IN | 12V@4.0A (11th Gen Intel® Core™ i5-1145G7E 2.6GHz with 8GB 3200MHz DDR4 memory and EUP enabled) |
| 看门狗 | Software programmable and supports 1~255 sec. system reset | | | |
| 运行环境 | Temperature Range: 0°C ~ 70°C (32°F ~ 158°F) Relative Humidity: 10% ~ 99%, non- condensing | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non- condensing | Operating Temperature: 0°C ~ 60°C with air flow Storage Temperature: -20°C ~ 70°C | Temperature Range: -10°C ~ 65°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing |
| 扩展槽 | 1 x PCIe Gen3 x1 | 1 x PCIe Gen3 x2 1 x M.2 2280 B/M key (PCIe Gen3 x2) 1 x M.2 2230/2242 A/E key (PCIe Gen2 x1) | | 1 x M.2 A Key 1 x M.2 B Key 1 x On-board SIM card socket for M.2 B key |
| CPU 散热器 | Heatsink | Heat Spreader | Heatsink | Heat Spreader |

单板计算机

3.5" 单板计算机

NEW

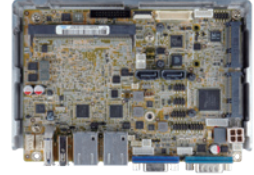


| 型号 | WAFER-ADL-P | WAFER-ADL-N | WAFER-EHL | WAFER-EHL2 |
|----------------|---|---|---|--|
| CPU 插槽 | On board | On board | On board | On board |
| CPU 类型 | 12th/13th Gen. Intel® mobile Alder Lake-P/Raptor Lake-P on-board SoC | Intel® Alder Lake-N N97 SoC Processor Intel® Alder Lake-N N200 SoC Processor | Intel® Atom® x6000 series / Pentium® / Celeron® processor (Elkhart Lake platform) Intel® Celeron® J6412 on-board SoC | Intel® Atom® x6000 series / Pentium® / Celeron® processor (Elkhart Lake platform) Intel® Celeron® J6412 on-board SoC |
| 芯片组 | 12th/13th Gen. Intel® mobile Alder Lake-P/Raptor Lake-P on-board SoC | Intel® Alder Lake-N N97 SoC Processor Intel® Alder Lake-N N200 SoC Processor | Intel® Celeron® J6412 on-board SoC | Intel® Atom® x6000 series / Pentium® / Celeron® processor (Elkhart Lake platform) Intel® Celeron® J6412 on-board SoC |
| 内存 | On-board LPDDR4x 3200 MHz 8GB (system max. 32G) | Dual channel on-board LPDDR5 8GB pre-installed (system max. 16GB) | On-board LPDDR4x 8GB (system max. 16GB) | On-board LPDDR4x 3200 MHz 8GB (system max. 16GB) |
| 显示接口 | Quadruple independent display 2 x HDMI 1.4a 2 x DP 1.4a | Triple Independent Displays 1 x HDMI 2.0 1 x DP 1.4a 1 x IEI iDPM 3040 slot (only for IEI eDP/LVDS/VGA module) | Triple independent display 1 x HDMI 1.4 1 x DP 1.4 1 x IEI iDPM 3040 slot (only for IEI eDP/LVDS/VGA module) | Triple Independent Displays 1 x HDMI 1.4a 1 x DP 1.4a 1 x IEI iDPM 3040 slot (only for IEI eDP/LVDS/VGA module) |
| 网络 | 2 x Intel® I225V/I226V 2.5GbE controller (Colay with I225-LM/I226-LM) | 2 x Intel® I225-V/I226-V 2.5 GbE LAN | LAN1: Intel® I225-V/I226-V 2.5GbE LAN LAN2: Intel® I225-V/I226-V 2.5GbE LAN | LAN1: Intel® I225-V/I226-V 2.5GbE LAN LAN2: Intel® I225-V/I226-V 2.5GbE LAN |
| I/O 接口 | 4 x USB 2.0 (2x4 pin, P=2.0) 2 x RS-232/422/485 (2x5 pin, P=2.0) 4 x RS-232 (2x5 pin, P=2.0) | 2 x USB 3.2 Gen 2 2 x USB 2.0 2 x USB 2.0 (2x4 pin, P=2.0) 2 x RS-232/422/485 (1x9 pin, P=1.25) | 2 x USB 3.2 Gen 2 4 x USB 2.0 (2x4 pin, p=2.0) 2 x RS-232/422/485 (1x9 pin, P=1.25) | 2 x USB 3.2 Gen 2 4 x USB 2.0 2 x RS-232/422/485 (1x9 pin, P=1.25) 4 x RS-232 (1x9 pin, P=1.25) |
| 存储 | 1 x SATA 6Gb/s | 1 x SATA 6Gb/s | 1 x SATA 6Gb/s | 1 x SATA 6Gb/s |
| 音频 | 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin) | 1 x iAUDIO Support IEI AC-KIT-888s (2x5 pin) | 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin) | 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin) |
| 数字 I/O | 12-bit Digital I/O (2x7 pin) | 12-bit digital I/O (2x7 pin) | 12-bit digital I/O (2x7 pin) | 12-bit digital I/O (2x7 pin) |
| 功耗 | 12V@2.83A (12th Gen Intel® Core™ i7-1265UE CPU with 8 GB 3200 MHz LPDDR4x memory, max. loading, EuP mode enabled) | 12V@3.21A (Intel® Processor N97 with 8 GB 4800 MHz LPDDR5 memory, max. loading, EuP mode disabled) 12V@2.67A (Intel® Processor N200 with 8 GB 4800 MHz LPDDR5 memory, max. loading, EuP mode disabled) | 12V@3.14A (Intel® Celeron® J6412 2.0GHz with on-board 8GB 3200MHz LPDDR4 memory and EUP enabled) | 12V@3.24A (Intel® Celeron® J6412 2.0GHz with on-board 8GB 3200MHz LPDDR4 memory and EUP enabled) |
| 看门狗 | Software programmable and supports 1~255 sec. system reset | | | |
| 运行环境 | Temperature Range: -10°C ~ 65°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 65°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 65°C Relative Humidity: 5% ~ 95%, non-condensing |
| 扩展槽 | 1 x M.2 A Key 1 x M.2 M Key 1 x M.2 B Key 1 x PCIe Gen3 x4 | 1 x M.2 A Key 1 x M.2 M Key 1 x PCIe Gen3 x4 Slot (x2 signal) | 1 x M.2 A key 1 x M.2 B key 1 x PCIe x4 slot (PCIe Gen3 x2 signal) | 1 x M.2 A Key 1 x M.2 B key 1 x PCIe x4 slot (PCIe Gen3 x2 signal) |
| CPU 散热器 | Heat Spreader | Heat Spreader | Heat Spreader | Heat Spreader |

单板计算机

3.5" 单板计算机

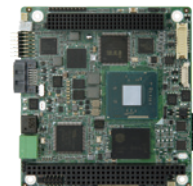
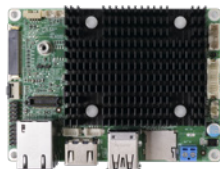
NEW



| 型号 | WAFER-EHL-x6000 | WAFER-JL | WAFER-AL | WAFER-BT |
|----------------|--|---|---|---|
| CPU 插槽 | On board | On board | On board | On board |
| CPU 类型 | Intel® Elkhart Lake Atom® x6000 series / Pentium® / Celeron® processor | Intel® Celeron® N5105 on-board SoC (Code name: Jasper Lake) | Intel® Pentium® N4200 on-board SoC Intel® Celeron® N3350 on-board SoC | Intel® Celeron® J1900 on-board SoC Intel® Celeron® N2930 on-board SoC Intel® Celeron® N2807 on-board SoC |
| 芯片组 | Intel® Atom® x6211E/x6413E/x6425E on-board SoC | Intel® Celeron® N5105 on-board SoC | Intel® Pentium® N4200 on-board SoC Intel® Celeron® N3350 on-board SoC | Intel® Celeron® J1900/N2930/N2807 on-board SoC |
| 内存 | On-board LPDDR4x 8GB | One 260-pin 2933 MHz DDR4 SO-DIMM (system max. 16GB) | One 204-pin 1866/1600 MHz single-channel DDR3L SO-DIMM (system max. 8 GB) | One 204-pin 1066/1333 MHz dual-channel DDR3L SO-DIMMs (system max. 8 GB) |
| 显示接口 | Triple Independent Displays 1 x HDMI 1.4 1 x DP 1.2 1 x IEI iDPM 3040 slot (only for IEI eDP/LVDS/VGA Module) | Dual independent display 1 x DP 1.4 1 x HDMI 1.4 | Triple independent display 1 x VGA 1 x DP++ 1 x 18/24-bit dual-channel LVDS 1 x iDP | Dual independent display 1 x VGA 1 x 24-bit dual-channel LVDS connector 1 x iDP interface for HDMI, LVDS, VGA, DVI, DP |
| 网络 | LAN1: Intel® I225-IT/ I226-IT 2.5GbE controller LAN2: Intel® I225-IT/ I226-IT 2.5GbE controller | 3 x Intel® I225-V/I226-V 2.5GbE controller | 2 x PCIe GbE LAN Realtek RTL8111 Controller | LAN1: Intel® I210-AT PCIe controller with NCSI support LAN2: Intel® I211-AT PCIe controller |
| I/O 接口 | 2 x USB 3.2 Gen 2 4 x USB 2.0 (2*4 pin, P=2.0) 2 x RS-232/422/485 (1x9 pin, P=1.25) | 2 x RS-232 pin header 2 x USB 2.0 pin header 2 x USB 3.2 Gen 2 | 2 x USB 3.2 Gen 2 2 x USB 2.0 (2x4 pin, P=2.0) 2 x RS-232 (1x9 pin, P=1.25) | 1 x RS-232 1 x USB 2.0 1 x USB 3.2 Gen 1 1 x KB/MS (1x6 pin) 1 x RS-422/485 (1x4 pin, P=2.0) 4 x USB 2.0 (2x4 pin, P=2.0) 2 x RS-232 (2x5 pin, P=2.0) |
| 存储 | 1 x SATA 6Gb/s with 5V SATA power connector | 1 x SATA 6Gb/s | 2 x SATA 6Gb/s with 5V SATA power connector | 2 x SATA 3Gb/s with 5V SATA power connector (no RAID) |
| 音频 | 1 x iAUDIO, support IEI AC-KIT-888S Audio Module (2x5 pin) | | Realtek ALC888S HD Audio codec 1 x Front audio (2x5 pin) | Realtek ALC888S HD Audio codec 1 x Front audio (2x5 pin) |
| 数字 I/O | 8-bit digital I/O (2x5 pin) | 12-bit digital I/O (2x7 pin) | 8-bit digital I/O (2x5 pin) | 8-bit digital I/O (2x5 pin) |
| 功耗 | 12V@3.34A, 19V@2.16A, 24V@1.79A, 28V@1.52A (Intel® Atom x6211E 1.3GHz with 8GB 3200MHz DDR4 memory and EUP enabled) | 12V@2.45A (Intel® Pentium® Silver N6000 3.30 GHz TDP 6W with one 16GB 2933MHz DDR4 SO-DIMM) | 12V@2.57A (Intel® Pentium® N4200 up to 2.5GHz with 8GB DDR3L memory) | 12V@1.45A (Intel® Celeron® Processor J1900 CPU with one 8 GB 1333 MHz DDR3L memory) |
| 看门狗 | Software programmable and supports 1~255 sec. system reset | | | |
| 运行环境 | Temperature Range: -20°C ~ 85°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -20°C ~ 70°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -20°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing |
| 扩展槽 | 1 x M.2 A Key 2230 1 x M.2 B Key 3042 | 1 x M.2 A key 2230 1 x M.2 B key 3042/2280 1 x On-board SIM card socket for M.2 B key | 1 x Full/Half-size PCIe Mini slot 1 x Full/Half-size PCIe Mini slot | 1 x Full-size PCIe Mini card slot 1 x Half-size PCIe Mini card slot |
| CPU 散热器 | Heat Spreader | Heat Spreader | Heatsink | Heat Spreader |

单板计算机

2.5" Pico-ITX/ PC/104-Plus



| 型号 | HYPER-RK3566 | HYPER-EHL | HYPER-BT | PM-BT |
|---------|---|---|---|---|
| CPU 插槽 | On board | On board | On board | On board |
| CPU 类型 | Rockchip RK3566 (Quad-code Cortex-A55 Up to 1.8Ghz) | Onboard Intel® Atom® x6000 series / Pentium® / Celeron® processor (Elkhart Lake platform) Intel® Celeron® J6412/N6210 on-board SoC | Intel® Atom® E3845/ E3827/E3826/ E3825/E3815on-board SoC Intel® Celeron® J1900/ N2930/N2807 on-board SoC | Intel® Celeron® J1900 on-board SoC |
| 芯片组 | Rockchip RK3566 | Intel® Celeron® J6412/N6210 on-board SoC | Intel® Atom®/Celeron® SoC | Intel® Atom®/Celeron® SoC |
| 内存 | 2GB/4GB LPDDR4/4x, up to 8GB (option: 2GB sku only supports Linux) | LPDDR4x-3200 MHz 4GB (system max. 8GB) | One 204-pin 1066/1333 MHz single-channel DDR3L SO-DIMM (system max. 8 GB) | One 204-pin 1333/1066 MHz DDR3L SO-DIMM (system max. 8 GB) |
| 显示接口 | 1 x HDMI 2.0 output port 1 x LVDS port 1 x MIPI DSI, 4 lanes | 1 x HDMI 1.4 1 x IEI iDPM 3040 slot (only for IEI eDP/LVDS/VGA module) | Dual independent display 1 x VGA 1 x iDP interface | Dual independent display 1 x VGA 1 x 18/24-bit single-channel LVDS (2x10 pin) |
| 网络 | 1 x 1GbE RJ45 by YT8521 | LAN1: Intel® I225-V/I226-V 2.5GbE controller | LAN: Intel® I211-AT PCIe GbE controller | GbE by Intel® I210 Ethernet PHY |
| I/O 接口 | 2 x RS-232+RS-485 (2x5 pin) 1 x USB 3.0 3 x USB 2.0 1 x HDMI 2.0 Type A 1 x LVDS 1 x MIPI DSI, 4 lanes | 2 x USB 3.2 Gen2 2 x USB 2.0 (2x4 pin, P=2.0) 1 x RS-232/422/485 (1x9 pin, P=1.25) | 1 x USB 2.0 1 x USB 3.2 Gen 1 (5Gb/s) 1 x RS-232 (2x5 pin, P=2.0) 2 x USB 2.0 (2x4 pin, P=2.0) | 3 x USB 2.0 (1x4 pin, P=1.25) 2 x RS-232/422/485 (2x5, P=2.0) |
| 存储 | 1 x microSD slot | 1 x iSATA 6Gb/s | 1 x SATA 3Gb/s with 5V SATA power connector (no RAID) | 1 x SATA 3Gb/s with 5V SATA power connector On-board SSD (optional, support by request) |
| 音频 | 1 x 2PIN socket for speaker (1.3W); WAFER 1*2 with frame; SMD; 2PIN; 180°; P=1.25mm 1 x 2PIN socket for MIC, Connectors; Wire toBoard; WAFER 1*2PIN; DIP; 2PIN; 180°; P=1.25mm | N/A | Realtek ALC888S HD Audio codec supports 7.1-channel | N/A |
| 数字 I/O | 8-bit GPIO | 8-bit DIO (1x10 pin, P=1.25) | 8-bit programmable digital I/O | 8-bit digital I/O (2x5 pin, P=2.0) |
| 功耗 | TBD | 12V@ 2.07A (Intel® Celeron® J6412 CPU with 4 GB 3200 MHz LPDDR4x memory, max. loading, EuP mode enabled) | 12V@1.35A (Intel® Celeron® processor J1900 with one 8 GB 1333 MHz DDR3L memory) | 5V@1.70A (Intel® Celeron® J1900 CPU with 8GB memory) |
| 看门狗 | Software programmable and supports 1~255 sec. system reset | | | |
| 运行环境 | Operating Temperature: -10°C ~ 60°C (14°F-140°F) Storage Temperature: -20°C ~ 70°C | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -20°C ~ 60°C (-4°F ~ 140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -20°C ~ 60°C (-4°F ~ 140°F) Relative Humidity: 5% ~ 95%, non-condensing |
| 扩展槽 | - | 1 x M.2 M Key 1 x PCIe x4 slot | N/A | 1 x Full-size PCIe Mini slot (support mSATA) 1 x PC/104-Plus (ISA+PCI) |
| CPU 散热器 | Heatsink | Heat Spreader | Heat Spreader | Heatsink |

模块化计算机

COM-HPC

NEW



NEW



NEW



| 型号 | HUK-R680 |
|------------------|---|
| 类型 | COM-HPC |
| CPU | Intel® Alder Lake-S/Raptor Lake-S/ Raptor Lake-S Refresh LGA1700 Desktop CPU (TDP up to 65W) |
| 芯片组 | R680E |
| BIOS | UEFI BIOS |
| 显示引擎 | Intel® Gen12 UHD Graphics |
| 内存 | 2 x 262-pin DDR5 5600MHz SO-DIMM sockets (up to 96GB) |
| 显示 | Quadruple independent display signals to baseboard 3 x DDI 1 x eDP |
| 网络 | 1 x PCIe 2.5 GbE with Intel I226-V signal to baseboard 1 x PCIe 2.5 GbE with Intel I226-LM signal to baseboard |
| I/O 插口 | USB and UART signals to the baseboard 8 x USB 2.0 4 x USB 3.2 Gen2 2 x UART |
| 存储 | 2 x SATA signals to the baseboard |
| 扩展 | PCIe signals to the baseboard 1 x PCIe Gen5 x16 4 x PCIe Gen4 x4 1 x PCIe Gen3 x4 6 x PCIe Gen3 x1 |
| 前面板 | Front panel signal to baseboard |
| 音频 | 1 x HD Audio signal to baseboard 1 x Soundwire Audio/I2S Audio signal to baseboard |
| eSPI | 1 x eSPI signal to baseboard |
| DMIC | 2 x DMIC signal to baseboard |
| SMBus | 1 x 4-pin wafer signal to baseboard |
| I ² C | 1 x 4-pin wafer signal to baseboard |
| GPIO | 12-bit GPIO signal to baseboard |
| TPM | Onboard TPM2.0 |
| 电源输入 | ATX 12V Power Supply |
| 尺寸 | 160 x 120mm |
| 工作温度 | -10°C~60°C |
| 工作湿度 | 5%~95% (non-condensing) |

| 型号 | HUK-AADLP |
|------------------|---|
| 类型 | COM-HPC Client Size A |
| CPU | Intel® Alder Lake-P/Raptor Lake-P SoC |
| 内存 | Onboard LPDDR5x-4800MHz 16GB, up to 32GB |
| BIOS | AMI UEFI BIOS |
| 显示引擎 | Intel® Gen12 UHD Graphics |
| 显示 接口 | Quadruple independent display signals to baseboard 3 x DDI 1 x eDP |
| 网络 | 2 x PCIe 2.5 GbE with Intel i226-LM/i226-V signal to baseboard |
| I/O 插口 | USB and UART signals to the baseboard: 8 x USB 2.0 4 x USB 3.2 Gen2 2 x UART |
| 音频 | - |
| 存储 | 2 x SATA signals to the baseboard |
| 扩展槽 | PCIe signals to the baseboard: 3 x PCIe Gen3 x4 2 x PCIe Gen3 x1 |
| 前面板 | Front panel signal to baseboard |
| eSPI | 1 x eSPI signal to baseboard |
| DMIC | 2 x DMIC signal to baseboard |
| SMBus | 1 x 4-pin wafer signal to baseboard |
| I ² C | 11 x 4-pin wafer signal to baseboard |
| GPIO | 12 Bit GPIO signal to baseboard |
| TPM | TPM2.0 |
| 电源输入 | ATX 12V Power Supply |
| 尺寸 | 95 x 120mm |
| 工作温度 | -10°C~60°C |
| 工作湿度 | 5%~95% (non-condensing) |
| 安规 | CE/FCC compliant |

| 型号 | HUK-DB |
|------------------|--|
| 兼容型号 | COM-HPC Size A Module (95 x 120mm), B Module (120 x 120mm) and C Module (120 x 160mm) |
| 显示 | 1 x eDP 1 x HDMI 1.4 up to 4096 x 2304 @30Hz 2 x DP 1.2 up to 4096 x 2304 @60Hz |
| 网络 | 2 x RJ45 (2.5GbE) |
| 外部 I/O 接口 | 6 x RS-232 1 x Front panel (2x7 pin, power LED, HDD LED, speaker/buzzer, power button, reset button) |
| 内部 I/O 接口 | 1 x General Purpose SPI Port (2 x4 pin, P=2.0) 1 x 12-bit DIO (2x7 pin, P=2.54) 2 x SATA 6Gb/s |
| 扩展 | 1 x PCIe Gen5 x16 4 x PCIe Gen4 x4 1 x PCIe Gen3 x4 1 x PCIe Gen3 x4 (x2 signal) 1 x M.2 M Key 2242/2280 (PCIe Gen3 x2) 1 x M.2 A Key 2230 (USB2.0&PCIe Gen3 x2) |
| MIPI | 2 x MIPI CSI |
| 音频 | 1 x Realtek ALC888S HD codec / 1 x I2S Audio (Line-in, Line-out, Mic) 1 x Soundwire Audio (2 x 4 pin header) 2 x DMIC connector |
| 前面板 | 1 x Front_Panel (2*7 pin) (Power LED, HDD LED, Speaker (Buzzer), Power Button, Reset Button) |
| I ² C | 2 x 4-pin wafer |
| SMBus | 1 x 4-pin wafer |
| 风扇连接器 | 1 x System fan connector (1x4 pin) |
| 电源 | 12V DC Input |
| 温度 | -10°C ~ 60°C |
| 湿度 | 5% ~95 non-condensing |
| 尺寸 | 315mm x 190mm |
| 安规 | CE/FCC compliant |

模块化计算机

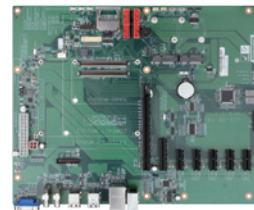
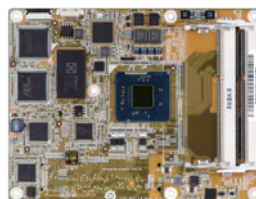
COM Express

NEW

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| 模块化计算机 | COM Express Type 6 | COM Express Type 6 | COM Express Type 6 | COM Express Type 6 |
|------------------|--|--|--|--|
| COM Express Size | Basic: 95 x 95 mm | Basic: 125 x 95 mm | Basic: 125 mm x 95 mm | 304.8 mm x 243.8 mm (12" x 9.6") |
| 型号 | ICE-ADL-N | ICE-MTL | ICE-BT-T6 | ICE-DB-T6R |
| CPU | Intel® Processor N-series N97 SoC Processor Intel® Processor N-series N200 SoC Processor | 14th Gen. Intel® mobile Meteor Lake-H on-board processor Intel® Core™ Ultra 5-125U Intel® Core™ Ultra 7-155U Intel® Core™ Ultra 5-125H Intel® Core™ Ultra 7-155H | Intel® Atom® E3845 on-board SoC (1.91GHz, quad-core, 2MB cache, TDP=10W) Intel® Atom® E3827 on-board SoC (1.75GHz, dual-core, 1MB cache, TDP=8W) Intel® Atom® E3826 on-board SoC (1.46GHz, dual-core, 1MB cache, TDP=7W) Intel® Atom® E3825 on-board SoC (1.33GHz, dual-core, 1MB cache, TDP=6W) Intel® Atom® E3815 on-board SoC (1.46GHz, single-core, 512KB cache, TDP=5W) Intel® Celeron® J1900 on-board SoC (2GHz, quad-core, 2MB cache, TDP=10W) | Supports COM Express Compact/Mini module using connector pin out Type 6 |
| 内存 | 1 x DDR5 4800 SO-DIMM, Up to 16GB | 2 x 262pin DDR5 5600MHz SO-DIMM up to 96GB | 2 x 204-pin 1333/1066 MHz dual-channel DDR3L SDRAM unbuffered SO-DIMMs support up to 8 GB | - |
| BIOS | UEFI BIOS | UEFI BIOS | UEFI BIOS | - |
| 显示引擎 | Intel® UHD Graphics | Intel® New Xe LPG Graphics | Intel® HD Graphics Gen 7 Engine with 4 execution units, supporting DX11.1, OpenGL 4.2 and OpenCL1.2 | - |
| 显示接口 | Triple independent display signals to baseboard 1 x LVDS: 1920 x 1200 1 X DP 1.4a: up to 4096 x 2160 @ 60 Hz 1 X HDMI 1.4b: Up to 3840 x 2160 @ 30 Hz | Quad independent display signals to baseboard 1 x LVDS: 1920 x 1200 or 1 x eDP:4K@ 60 Hz 2 X USB4 :up to 4K @ 60 Hz 1 X HDMI 1.4: Up to 4K@ 30 Hz | 1 x VGA 1 x DDI: (DP up to 2560x1600@60Hz / HDMI up to 1920x1080@60Hz) 1 x LVDS: 18/24-bit dual-channel LVDS | 1 x iDP pin-header 1 x LVDS 18/24-bit single or dual-channel (with PWM back light controller) 1 x VGA 2 x DisplayPort |
| 网络 | 1 x PCIe 2.5 GbE with Intel i225-V signal to baseboard | 1 x PCIe 2.5 GbE with Intel i226-LM signal to baseboard | Intel® I210 GbE controller | - |
| I/O 接口 | 2 x UART signal to baseboard 8 x USB 2.0 signal to baseboard 2 x USB 3.2 Gen2 signal to baseboard (with 2 x USB 2.0) | 8 x USB 2.0 signal to baseboard 2 x USB 3.2 Gen2 signal to baseboard 2 x UART signal to baseboard | 1 x I ² C 1 x LPC 1 x SMBus 2 x Serial port (TX & RX) 7 x USB 2.0 signal to baseboard 4 x USB 3.2 Gen1 signal to baseboard | 1 x Audio jack (Line-in, Line-out, Mic) 2 x DisplayPort 1 x VGA 1 x PS2 KB/MS 2 x USB 2.0 1 x RJ-45 4 x USB 3.2 Gen 1 (5Gb/s) |
| 音频 | 1 X HD Audio signal to baseboard | 1 X HD Audio signal to baseboard | High Definition Audio interface to baseboard | Realtek ALC888S HD Audio codec (Line-in, Line-out, Mic) |
| 存储 | 1 x SATA 6GB/s signal to base board onboard eMMC optional (up to 256G) | 2 x SATA 6Gb/s signal to base board onboard NVMe SSD 128/256GB optional (up to 1T) | | |
| SMBus | - | - | Yes, to baseboard | 1 x SMBus (1x4 pin) |
| I ² C | 1 x 4-pin wafer signal to baseboard | 1 x 4-pin wafer signal to baseboard | Yes, to baseboard | 1 x I ² C (1x4 pin) |
| LPC | 1 x LPC signal to baseboard | 1 x LPC signal to baseboard | Yes, to baseboard | - |
| 扩展槽 | 5 x PCIe Gen3 x1 signal to baseboard | 1 x PCIe Gen5 x8 signal to baseboard 4 x PCIe Gen4 x4 signal to baseboard | 5 x PCIe x1 signal to baseboard (2 from SoC, 3 from PLX PEX8605 switch IC) | 1 x LPC 1 x PCIe x4 1 x PCIe x16 5 x PCIe x1 2 x PCIe Mini (MINIPCIe1 with mSATA support, colay with SATA_4) |
| 看门狗 | software programmable support 1~255 sec. System reset | software programmable support 1~255 sec. System reset | Software programmable, supports 1~255 sec. system reset (by EC) | Software programmable supports 1~255 sec system reset |
| eMMC | - | - | - | - |
| GPIO | - | - | Yes, to baseboard | 8-bit GPIO |
| TPM | TPM2.0 | TPM2.0 | - | - |
| 电源 | 12 V DC input | 12 V DC input | - | ATX / AT Power Supply 24+4 pins |
| 功耗 | - | - | +12V@0.54A, Vcore_12V@0.95A (Intel® Celeron® J1900 CPU with two 8 GB 1333 MHz DDR3 memory) | - |
| 工作温度 | -10°C~60°C | -10°C~60°C | -20°C ~ 60°C | -20°C ~ 60°C |
| 工作湿度 | 5%~95% (non-condensing) | 5%~95% (non-condensing) | 5% ~ 95%, non-condensing | 5% ~ 95 non-condensing |
| 安规 | CE/FCC compliant | CE/FCC compliant | - | - |

模块化计算机

Qseven™

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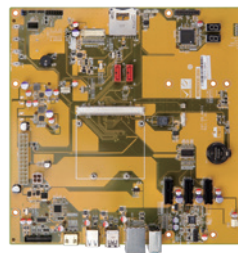
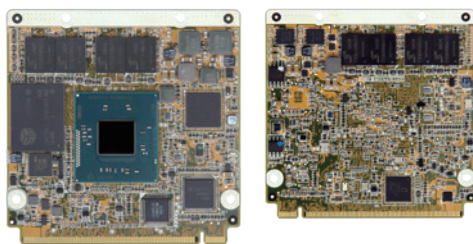
| 型号 | iQ7-ADLN |
|--------|--|
| 尺寸 | QSeven 2.1 |
| CPU | Intel® Processor N-series N97 SoC Processor |
| 内存 | Dual channel LPDDR5 8G pre-installed(system max.16G) |
| BIOS | UEFI BIOS |
| 显示引擎 | Intel® UHD Graphics |
| 显示接口 | Double independent display signal to baseboard 1 x HDMI 1.4a: up to 4096 x 2160@30Hz 1 x LVDS: 1920 x 1200 @ 60Hz or eDP: 4096 x 2160 @ 60Hz |
| 网络 | 1 x PCIe 2.5 GbE with Intel i225-LM signal to baseboard |
| I/O 接口 | 2 x USB 3.2 Gen2(10 Gb/s) signal to baseboard 6 x USB 2.0 signal to baseboard |
| 音频 | 1 x HDA signal to baseboard |
| 存储 | 1 x HDA signal to baseboard |
| 扩展槽 | 4 x PCIe Gen3 x1 signal to baseboard |
| UART | 1 x UART signal to baseboard |
| SDIO | 1 x SDIO signal to baseboard |
| LPC | 1 x LPC signal to baseboard |
| TPM | TPM 2.0 |
| I²C | 1 x I2C signal to baseboard |
| 看门狗 | Software Programmable support 1~255 sec system reset |
| 电源 | 5V DC |
| CAN | 1 x CAN Bus signal to baseboard |
| 工作温度 | -10°C~60°C |
| 湿度 | 5%~95% (non-condensing) |
| 尺寸 | 70 mm x 70 mm |
| 安规 | CE/FCC compliant |

| 型号 | iQ7-EHL |
|--------|---|
| 尺寸 | QSeven 2.1 |
| CPU | Intel® Celeron® J6412 on-board SoC (up to 2.6GHz, quad-core, 1.5M Cache, TDP=10W) |
| 内存 | On-board LPDDR4x 3200 MHz 8GB (system max. 16GB) |
| BIOS | UEFI BIOS |
| 显示引擎 | Intel® UHD Graphics |
| 显示接口 | Dual independent display signal to baseboard 1 X DP 1.4a: up to 4096 x 2160 @ 60 Hz 1 X LVDS: 1920 x 1200 @ 60Hz or eDP: 4096 x 2160 @ 60Hz |
| 网络 | 1 x PCIe 2.5 GbE with Intel I225-V signal to baseboard |
| I/O 接口 | 2 x USB 3.2 Gen2 (10 Gb/s) signal to baseboard 6 x USB 2.0 signal to baseboard |
| 音频 | HDA signal to baseboard |
| 存储 | 2 x SATA 6Gb/s signal to baseboard on board eMMC optional (up to 256GB) |
| 扩展槽 | 4 x PCIe Gen3 x1 signal to baseboard |
| UART | UART signal to baseboard |
| SDIO | SDIO signal to baseboard |
| LPC | LPC signal to baseboard |
| TPM | Intel PTT |
| I²C | I²C signal to baseboard |
| 看门狗 | Software Programmable support 1~255 sec system reset |
| 电源 | 5V DC |
| 风扇接口 | 1 x Fan control signal to baseboard |
| 工作温度 | -10°C ~ 60°C (14°F-140°F) |
| 湿度 | 5% ~95 non-condensing |
| 尺寸 | 70 mm x 70 mm |
| 安规 | CE/FCC compliant |

| 型号 | iQ7-CB |
|-----------|---|
| 尺寸 | Baseboard for QSeven Rev.2.1 module |
| 显示接口 | 1 X DP 1.4a 1 x18/24-bit dual-channel LVDS |
| 音频 | Realtek ALC888S HD codec (Line-in, Line-out, Mic) |
| 扩展 | 1 x PCIe x1 1 x M.2 2230 A key for Wi-Fi & BT (PCIe Gen3 x1 / USB 2.0 signal) 1 x M.2 3042 B key (PCIe Gen3 x2/ USB 2.0 signal) 1 x On-board SIM card socket for M.2 B key |
| 内部 I/O 接口 | 2 x SATA connector 1 x SD card socket 1 x RS-232 pin header (2x5, P= 2.54) |
| 外部 I/O 接口 | 2 x USB 3.2 Gen1 (5 Gb/s) 2 x RS-232 1 x RJ45 (2.5GbE) 3 x Audio Jack (Line-in, Line-out, Mic) 2 x USB 2.0 |
| 前面板 | 1 x Front panel (2x7 pin) (power LED, HDD LED, speaker/buzzer, power button, reset button) |
| I²C | 1 x 4-pin wafer |
| SMBus | 1 x 4-pin wafer |
| 电源 | 12V DC Input |
| 风扇连接器 | 1 x System fan connector (1x4 pin) |
| 工作温度 | -10°C ~ 60°C (14°F-140°F) |
| 湿度 | 5% ~95 non-condensing |
| 尺寸 | 170 mm x 170 mm |
| 安规 | CE/FCC compliant |

模块化计算机

Qseven™



| 型号 | iQ7-BT |
|-------------|--|
| CPU | Intel® Atom® E3845 on-board SoC (1.91GHz, quad-core, 2MB cache, TDP=10W) Intel® Atom® E3825 on-board SoC (1.33GHz, dual-core, 1MB cache, TDP=6W) |
| 内存 | 2 GB soldered-down 1333/1066 MHz DDR3L memory (up to 4 GB) |
| BIOS | UEFI BIOS |
| 显示引擎 | Intel® HD Graphics Gen 7 Engine with 4 execution units support DX11.1, OpenGL 4.2 and OpenCL1.2 |
| 显示接口 | Dual independent display 1 x LVDS: 18/24-bit dual-channel LVDS (up to 1920x1200@60Hz) 1 x DDI: (DP up to 2560x1600@60Hz / HDMI up to 1920x1080@60Hz) |
| 网络 | Intel® I210 GbE controller |
| 嵌入式控制器 | ITE IT8528E/FX |
| I/O 接口 | 6 x USB 2.0 signal to baseboard 1 x USB 3.2 Gen 1 (5Gb/s) signal to baseboard |
| 存储 | 2 x SATA 3Gb/s signal to baseboard Optional soldered-down up to 64 GB SSD (SATA port 2) |
| 音频 | High-definition Audio interface to baseboard |
| SMBus | Yes, to baseboard |
| I²C | Yes, to baseboard |
| LPC | Yes, to baseboard |
| SDIO | One 8-bit SDIO 2.0, to baseboard |
| SPI | Yes, to baseboard |
| Serial Port | One serial port to baseboard (form EC) |
| 扩展 | 3 x PCIe x1 signal to baseboard |
| 看门狗 | Software programmable supports 1~255 sec. system reset (form EC) |
| 功耗 | 3.3V@0.13A, 5V@0.13A, 12V@1.35A, 5VSB@0.12A (Intel® Atom® E3845 CPU with 2 GB on-board memory) |
| 工作温度 | -20°C ~ 60°C |
| 工作湿度 | 5% ~ 95%, non-condensing |
| 尺寸 | 70 mm x 70 mm |
| 重量 | GW: 300g / NW: 150g |
| 安规 | CE/FCC compliant |

| 型号 | iQ7-DB-MATX |
|------------------|--|
| COM Express Size | mATX form factor baseboard for Qseven Rev. 2.0 module |
| 显示接口 | 1 x LVDS 1 x HDMI 1 x iDP |
| 音频 | Realtek ALC888S HD Audio codec (Line-in, Line-out, Mic) |
| 内部 I/O 接口 | 1 x LPC 1 x SD card socket 2 x SATA 3Gb/s 3 x PCIe x1 |
| 外部 I/O 接口 | 1 x Audio jack (Line-in, Line-out, Mic) 1 x HDMI 1 x USB 3.2 Gen 1 (5Gb/s) 5 x USB 2.0 1 x RJ-45 |
| 前置音频 | 1 x Front audio connector (2x5 pin) |
| TPM | 1 x TPM connector(2x10 pin) |
| 80端口显示 | 2 x 7 segment display |
| 前面板 | 1 x Front panel (2x7 pin, power LED, HDD LED, buzzer speaker, power button, reset button) |
| I²C | 3 x I²C (1x4 pin) |
| SMBus | 1 x SMBus (1x4 pin) |
| 看门狗 | Software programmable, supports 1~255 sec. system reset |
| 电源 | ATX power supply, ATX/AT mode support |
| 风扇连接器 | 1 x CPU smart fan (1x4 pin) 1 x System fan (1x3 pin) |
| 工作温度 | -20°C ~ 60°C |
| 湿度 | 5% ~ 95%, non-condensing |
| 尺寸 | 243.8 mm x 243.8 mm |
| 安规 | CE/FCC compliant |

模块化计算机

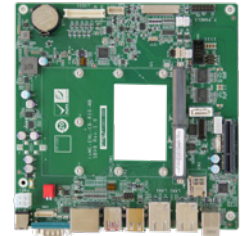
SMARC™

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| 型号 | iSMC-ADLN |
|------------------|--|
| 类型 | SMARC 2.1 |
| CPU | Intel® Processor N-series N97 SoC Processor |
| 内存 | Dual channel LPDDR5 8G pre-installed(system max.16G) |
| BIOS | UEFI BIOS |
| 显示引擎 | Intel® UHD Graphics |
| 显示接口 | Triple independent display signals to baseboard 1 X DP 1.4a: up to 4096 x 2160 @ 60 Hz 1 X HDMI 1.4b: Up to 3840 x 2160 @ 30 Hz 1 x LVDS: 1920 x 1200 @ 60Hz or 1 x eDP: 4096 x 2160 @ 60Hz |
| 网络 | 2 x PCIe 2.5 GbE with Intel i225-V signal to baseboard |
| I/O接口 | 1 x HDA signal to baseboard Support 7.1-channel HD Audio by Realtek ALC888S |
| 音频 | 1 x HDA signal to baseboard Support 7.1-channel HD Audio by Realtek ALC888S |
| 存储 | 1 x SATA 3.0 signal to baseboard onboard eMMC optional (up to 256G) |
| 扩展槽 | 4 x PCIe Gen3 x1 signal to baseboard |
| UART | 4 x UART signal to baseboard |
| SDIO | 1 x 4-bit SDIO signal to baseboard |
| eSPI | eSPI signal to baseboard |
| TPM | TPM 2.0 |
| I ² C | 1 x 6-bit GPIO signal to baseboard |
| SDIO | 1 x 4-bit SDIO signal to baseboard |
| I ² C | 4 x 4-pin wafer signal to baseboard |
| I ² S | 1 x 4-pin wafer signal to baseboard |
| 看门狗 | Software Programmable support 1~255 sec system reset |
| 电源 | 5V DC |
| 工作温度 | -10°C ~ 60°C |
| 湿度 | 5%~95% (non-condensing) |
| 尺寸 | 82*50mm |
| 安规 | CE/FCC Compliant |
| 湿度 | 5% ~95 non-condensing |
| 尺寸 | 82 mm x 50 mm |
| 安规 | CE/FCC Compliant |

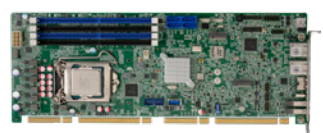
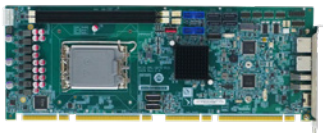
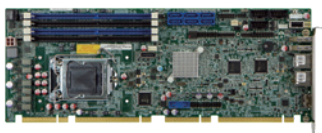
| 型号 | iSMC-IMX8MM |
|------------------|--|
| 类型 | SMARC 2.1 |
| CPU | NXP i.MX 8M Mini Quad |
| 内存 | 4 GB soldered-down LPDDR4x 3200 |
| 显示接口 | 1 X HDMI : Up to 1920 x 1080 @ 60 Hz /LVDS: 1920 x 1080 @ 60 Hz |
| 网络 | 1 x GbE with Gigabit Ethernet YT8521 signal to baseboard |
| I/O接口 | 5 x USB 2.0 signal to baseboard (shared with 1x USB OTG client) |
| 存储 | onboard eMMC 32G(UP TO 256G) |
| 扩展槽 | 1 x PCIe X1 signal to baseboard |
| UART | 2 x UART from SMARC(RXD, TXD) signal to baseboard 2 x DBG UART for A53/M4 |
| MIPI-CSI | One MIPI-CSI camera input 4-lane |
| I ² C | 1 x 4-pin wafer signal to baseboard for audio |
| I ² S | 1 x 4-pin wafer signal to baseboard for audio |
| 看门狗 | Software Programmable support |
| 电源 | 5V DC |
| 工作温度 | -20°C ~ 85°C |
| 湿度 | 5%~95% (non-condensing) |
| 湿度 | 5% ~95 non-condensing |
| 尺寸 | 82*50mm |
| 安规 | CE/FCC Compliant |

| 型号 | iSMC-EHL |
|------------------|--|
| CPU | Intel® Celeron® J6412 on-board SoC Intel® Celeron® x6413E on-board SoC |
| 内存 | On-board LPDDR4x 3200 MHz 8GB (system max. 16GB) |
| BIOS | UEFI BIOS |
| 显示引擎 | Intel® UHD Graphics |
| 显示接口 | Triple independent display signals to baseboard 1 X DP 1.4a: up to 4096 x 2160 @ 60 Hz 1 X HDMI 1.4b: Up to 3840 x 2160 @ 30 Hz 1 x LVDS: 1920 x 1200 @ 60Hz or 1 x eDP: 4096 x 2160 @ 60Hz |
| 网络 | 2 x PCIe 2.5 GbE with Intel I225-V signal to baseboard |
| 音频 | 1 x HDA signal to baseboard Support 7.1-channel HD Audio by Realtek ALC888S |
| 存储 | 1 x SATA 6Gb/s signal to baseboard on board eMMC optional (up to 256G) |
| USB | 2 x USB 3.2 Gen 2 signal to baseboard 6 x USB 2.0 signal to baseboard |
| UART | 2 x UART signal to baseboard |
| 扩展 | 4 x PCIe Gen3 x1 signal to baseboard eSPI signal to baseboard |
| 前面板 | 1 x Front Panel signal to baseboard (Power LED, HDD LED, Speaker(Buzzer), Power Button, Reset Button) |
| CAN | 2 x CAN Bus signal to baseboard |
| GPIO | 1 x 6-bit GPIO signal to baseboard |
| SDIO | 1 x 4-bit SDIO signal to baseboard |
| I ² C | 4 x 4-pin wafer signal to baseboard |
| I ² S | 1 x 4-pin wafer signal to baseboard |
| SMBus | 1 x 4 pin wafer signal to baseboard |
| TPM | Intel® PTT |
| 看门狗 | Software Programmable support 1~255 sec system reset |
| 电源 | 5V DC |
| 工作温度 | -10°C ~ 60°C (14°F-140°F) |
| 存储温度 | -30°C ~ 70°C |
| 湿度 | 5% ~95 non-condensing |
| 尺寸 | 82 mm x 50 mm |
| 安规 | CE/FCC Compliant |

| 型号 | iSMC-CB |
|-------------------------|---|
| 显示接口 | Triple independent display 1 X DP 1.4a: up to 4096 x 2160 @ 60 Hz 1 X HDMI 1.4b: Up to 3840 x 2160 @ 30 Hz 1 x LVDS: 1920 x 1200 @ 60Hz or 1 x eDP: 4096 x 2160 @ 60Hz |
| 网络 | LAN1: Intel® I225V 2.5GbE LAN2: Intel® I225V 2.5GbE |
| 音频 | Realtek ALC888S HD Audio codec (Line-out, Mic in) |
| 扩展 | 1 x PCIe Gen3 x4 |
| 背部 I/O 接口 | 2 x USB 3.2 Gen 2 2 x USB 2.0 1 x RS-232/422/485 |
| 接口 I/O | 1 x SATA 6Gb/s 1 x SD slot 1 x RS-232/422/485 pin header (1x9 pin, P=1.25) |
| DIO | 1 x 6-bit GPIO (2x4 pin) |
| CAN | 2 x CAN Bus pin header (2x3 pin, P=2.54) |
| I ² C/ SMBus | 4 x I ² C (1 x 4 pin) 1 x SMBus (1 x 4 pin) |
| 前面板 | 1 x Front Panel (2x7 pin) (Power LED, HDD LED, Speaker(Buzzer), Power Button, Reset Button) |
| 电源 | 1 x 12V DC jack Φ5.4 1 x Internal power connector (2x2 pin) |
| 工作温度 | -10°C ~ 60°C (14°F-140°F) |
| 存储温度 | -30°C ~ 70°C |
| 湿度 | 5% ~95 non-condensing |
| 尺寸 | 170 mm x 170 mm |
| 安规 | CE/FCC Compliant |

插槽式单板计算机和无源背板

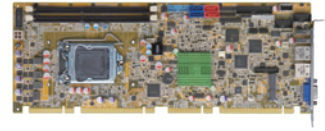
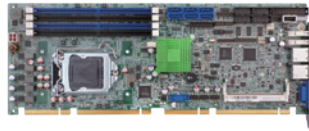
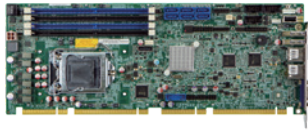
PICMG 1.3 全尺寸单板计算机



| 型号 | SPCIE-C246 | PCIE-RPL-Q670 | PCIE-Q470 |
|---------|---|---|--|
| CPU 插槽 | LGA1151 | LGA1700 | LGA1200 |
| CPU 类型 | Intel® Xeon® E, 8th/9th generation Core™ i9/i7/i5/i3, Pentium®, Celeron® processor | LGA1700 socket supports 12th/13th/14th generation Alder Lake-S Intel® Core™ i9/i7/i5/i3/ Pentium®/Celeron® Processor (up to 65W) | 10th/11th Gen Intel® Core™ i9/i7/i5/i3, Pentium® and Celeron® processor |
| 芯片组 | Intel® C246 | Intel® Q670E/Q670 | Intel® Q470 / Q470E |
| 内存 | Four 288-pin 2666MHz dual-channel DDR4 SDRAM unbuffered DIMMs support up to 128GB ECC & non-ECC | Two 288-pin 5200 MHz Dual-Channel DDR5 SDRAM Unbuffered DIMMs supported up to 64GB | Four 288-pin 2933 MHz dual-channel DDR4 SDRAM Unbuffered DIMMs (system Max. 128 GB) |
| 显示接口 | Dual display supported 1 x HDMI 1 x DP | Triple independent display 1 x DP 1 x DP 180° (DP++) 1 x HDMI | 1 x HDMI 1.4 |
| 网络 | LAN1: Intel® I219LM PCIe controller LAN2: Intel® I211AT PCIe controller | LAN1: Intel® I226-LM 2.5GbE controller LAN2: Intel® I226-V 2.5GbE controller | LAN1: Intel® I225V/I226V 2.5GbE controller LAN2: Intel® I225V/I226V 2.5GbE controller |
| I/O 接口 | 2 x USB 3.2 Gen 1 (Type-A) 1 x USB 2.0 (Type-A) 1 x KB/MS (1x6 pin) 1 x RS-422/485 (1x4 pin, P=2.0) 2 x USB 3.2 Gen 1 (2x10 pin) 3 x RS-232 (2x5 pin, P=2.54) 6 x USB 2.0 (2x4 pin, P=2.54) | 2 x USB 3.2 Gen2 (Type-A) (10Gb/s) 2 x RS-232/422/485 (2x5 pin, P=2.54) (RS485 support AFC) 4 x USB 2.0 to backplane 1 x USB 3.2 Gen2 (Type A 180°) 4 x USB 3.2 Gen1 (2x10 pin, P=2.00 pin wafer) (5Gb/s) 2 x RS-232 (2x5 pin, P=2.54) | 2 x USB 3.2 Gen 1 (Type-A) 1 x USB 3.2 Gen 2 (Type-C) 6 x USB 2.0 pin header 2 x USB 3.2 Gen 1 pin header 1 x Internal USB 3.2 Gen 1 (Type-A 180°) 2 x RS-232 pin header 2 x RS-422/485 pin header |
| 存储 | 6 x SATA 6Gb/s (RAID 0/1/5/10 supported) | 4 x SATA 6Gb/s (RAID 0/1/5/10 supported) | 4 x SATA 6Gb/s (RAID 0/1/5/10 supported) |
| 音频 | Supports by IEI AC-KIT-888S-R10 audio kit | | |
| 数字 I/O | 8-bit digital I/O (2x5 pin) | 12-bit digital I/O (2x7 pin) | 12-bit digital I/O (2x7 pin) |
| 功耗 | 5V@3.12A, 12V@6.85A, 3.3V@1.13A, 5VSB@0.15A (4.0 GHz Intel® Core™ i7-8700K CPU with four 16 GB 2666 MHz DDR4 memory) | 3.3V@2.31A, 5V@10.16A, 12V@6.26A, 5VSB@0.46A (Intel® Core™ i9-14900 CPU with 16GB 5600MHz DDR5 memory, EuP mode disabled) | 3.3V@1.04A, 5V@8.61A, 12V@12.33A (Intel® Core™ i9-11900K CPU with 4 GB 3200 MHz DDR4 memory) |
| 看门狗 | Software programmable supports 1~255 sec. system reset | | |
| 环境 | Temperature Range: -20°C ~ 60°C (-4°F ~ 140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing |
| 扩展槽 | 1 x M.2 M key (2280, PCIe Gen3 x4) 1 x PCIe x16 & 4 x PCIe x1 signal via golden finger 4 x PCI signal via golden finger | 1 x M.2 M Key (2242/2280, PCIe Gen3 x4) NVMe support 1 x PCIe Gen3 x16 & 4 x PCIe Gen3 x1 signal via golden finger 4 x PCI signal via golden finger | 1 x PCIe x16 & 4 x PCIe x1 signal via golden finger 4 x PCI signal via golden finger 1 x M.2 A Key 1 x M.2 B Key 1 x M.2 M Key |
| CPU 散热器 | CF-1150SA-R10 CF-1150SB-R11 CF-1150SC-R20 CF-1150SE-R11 | 19100-000323-00-RS 19100-000319-00-RS 19100-000333-00-RS | CF-1150SA-R10 CF-1150SB-R11 CF-1150SC-R20 CF-1150SE-R11 |

插槽式单板计算机和无源背板

PICMG 1.3 全尺寸单板计算机



| 型号 | PCIE-Q370 | PCIE-Q170 | PCIE-H810 |
|----------------|--|--|---|
| CPU 插槽 | LGA1151 | LGA1151 | LGA 1150 |
| CPU 类型 | 8th/9th generation Intel® Core™ i9/i7/5/i3, Pentium®, Celeron® processor | 6th/7th generation Intel® Core™ i9/i7/5/i3, Pentium®, Celeron® processor | 4th/5th generation Intel® Core™ i9/i7/5/i3, Pentium®, Celeron® processor |
| 芯片组 | Intel® Q370 | Intel® Q170 | Intel® H81 |
| 内存 | Four 288-pin 2666MHz dual-channel DDR4 SDRAM unbuffered DIMMs (system max. 64 GB) | Four 288-pin 1866/2133 MHz dual-channel non-ECC unbuffered DDR4 DIMMs (system max. 64 GB) | Two 240-pin 1600/1333 MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs (system max. 16 GB) |
| 显示接口 | Dual display supported 1 x VGA 1 x DP PCIE-Q370-HDMI: 1 x HDMI 1 x DP | Dual display supported 1 x VGA 1 x iDP interface | Dual display supported 1 x VGA 1 x iDP interface |
| 网络 | LAN1: Intel® I219LM PCIe controller LAN2: Intel® I211-AT PCIe controller | LAN1: Intel® I219LM PCIe controller LAN2: Intel® I210 PCIe controller | LAN1: Realtek RTTL8111E PCIe controller LAN2: Realtek RTTL8111E PCIe controller |
| I/O 接口 | 2 x USB 3.2 Gen 2 (Type-A) 1 x USB 2.0 (Type-A) 1 x KB/MS (Type-A) 1 x RS-422/485 pin header 2 x USB 3.2 Gen 1 pin header 3 x RS-232 pin header 6 x USB 2.0 pin header | 2 x USB 3.2 Gen 1 (Type-A) 1 x KB/MS pin header 1 x LPT pin header 1 x USB 2.0 (interface Type-A) 2 x USB 3.2 Gen 1 pin header 2 x RS-232/422/485 pin header 2 x RS-232 pin header 6 x USB 2.0 pin header | 2 x USB 2.0 (Type-A) 1 x KB/MS pin header 1 x LPT pin header 1 x RS-422/485 pin header 1 x USB 2.0 (interface Type-A) 2 x RS-232 pin header 2 x USB 3.2 Gen 1 pin header 4 x USB 2.0 (Golden finger) 4 x USB 2.0 pin header |
| 存储 | 6 x SATA 6Gb/s (RAID 0/1/5/10 supported) | 6 x SATA 6Gb/s (RAID 0/1/5/10 supported) | 2 x SATA 3Gb/s 2 x SATA 6Gb/s |
| 音频 | Supports by IEI AC-KIT-888S-R10 audio kit | Supports by IEI AC-KIT-888S-R10 audio kit | Supports by IEI AC-KIT-888S-R10 audio kit |
| 数字 I/O | 8-bit programmable digital I/O | | |
| 功耗 | 5V@3.12A, 12V@6.85A, 3.3V@1.13A, 5VSB@0.15A (Intel® Core™ i7-8700K 4.0 GHz CPU with four 16 GB 2666 MHz DDR4 memory) | 5V@3.12A, 12V@6.85A, 3.3V@1.13A, 5VSB@0.15A (Intel® Core™ i7-6700K 4.0GHz CPU with 64GB (four 16GB) 2133 MHz DDR4 memory) | 5V@3.41A, 12V@0.35A, Vcore_12V@7.52A, 3.3V@1.41A, 5VSB@0.12A (Intel® Core™ i7-4770K 3.90 GHz CPU with 8 GB (two 4 GB) 1333 MHz DDR3 memory) |
| 看门狗 | Software programmable supports 1~255 sec. system reset | | |
| 环境 | Temperature Range: -20°C ~ 60°C (-4°F ~ 140°F) Relative Humidity: 5% ~ 95%, non-condensing | | |
| 扩展槽 | 1 x M.2 M key 1 x PCIe x16 & 4 x PCIe x1 signal via golden finger 4 x PCI signal via golden finger | 1 x PCIe x16 & 4 x PCIe x1 signal via golden finger 4 x PCI signal via golden finger 1 x Full/Half-size PCIe Mini card slot | 1 x PCIe x16 & 4 x PCIe x1 signal via golden finger 4 x PCI signal via golden finger 1 x Full/Half-size PCIe Mini card slot (support mSATA) |
| CPU 散热器 | CF-1150SA-R10 CF-1150SB-R11 CF-1150SC-R20 CF-1150SE-R11 | CF-1150SA-R10 CF-1150SB-R11 CF-1150SC-R20 CF-1150SE-R11 | CF-1150SA-R10 CF-1150SB-R11 CF-1150SC-R20 CF-1150SE-R11 |

插槽式单板计算机和无源背板

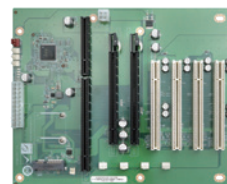
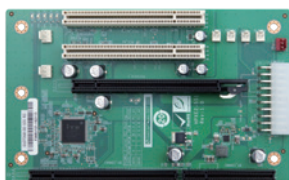
PICMG 1.3 半尺寸单板计算机



| 型号 | HPCIE-RPL-Q670 | HPCIE-Q470 |
|---------|--|---|
| CPU 插槽 | LGA1700 | LGA1200 |
| CPU 类型 | 12th/13th/14th generation Alder Lake-S Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor (up to 65W) | 10th/11th Gen Intel® Core™ i9/i7/i5/i3, Pentium® and Celeron® processor (up to 65W) |
| 芯片组 | Intel® Q670E | Intel® Q470 / Q470E |
| 内存 | Two 262-pin 5200 MHz dual-channel DDR5 SO-DIMMs supported (system max. 64GB) | Two 260-pin 2933 MHz dual-channel DDR4 SO-DIMMs (system max. 64GB) |
| 显示接口 | 1 x DP 1 x HDMI | 1 x HDMI 1.4 |
| 网络 | LAN1: Intel® I226-LM 2.5GbE controller LAN2: Intel® I226-V 2.5GbE controller | LAN1: Intel® I225V 2.5GbE controller LAN2: Intel® I225V 2.5GbE controller |
| I/O 接口 | 2 x USB 3.2 Gen2 (Type-A) (10Gb/s) 2 x RS-232/422/485 (2x5 pin, P=2.00) (RS-485 support AFC) 4 x USB 2.0 (2x4 pin, P=2.54) 1 x USB 3.2 Gen2 (Type A 180°) 2 x USB 3.2 Gen1 (2 X 10PIN P=2.00 pin wafer) (5Gb/s) | 2 x USB 3.2 Gen 1 Type-A 1 x USB 3.2 Gen 2 Type-C 2 x USB 2.0 pin header 2 x RS-232/422/485 pin header |
| 存储 | 2 x SATA 6Gb/s (RAID 0/1 supported) | 2 x SATA 6Gb/s (RAID 0/1 supported) |
| 音频 | 1 x iAUDIO, support IEI AC-KIT-888S audio kit (2 x 5 pin) | 1 x iAUDIO, support IEI AC-KIT-888S audio kit (2 x 5 pin) |
| 数字 I/O | 12-bit digital I/O (2x7 pin) | 12-bit digital I/O (2x7 pin) |
| 功耗 | TBD | 3.3V@0.11A, 5V@1.12A, 12V@13.31A, 5VSB@0.15A (Intel® Core™ i9-11900K CPU with 4 GB 3200 MHz DDR4 memory) |
| 看门狗 | Software programmable supports 1~255 sec. system reset | |
| 工作环境 | Temperature Range: -10°C ~ 60°C Relative Humidity: 5% ~ 95%, non-condensing | Temperature Range: -10°C ~ 60°C (14°F-140°F) Relative Humidity: 5% ~ 95%, non-condensing |
| 扩展槽 | 1 x M.2 M Key (2242, PCIe Gen3 x4) NVMe support 1 x PCIe Gen3 x16 & 4 x PCIe Gen3 x1 signal via golden finger | 16-lanes PCIe via golden finger 4-lanes PCIe via golden finger 1 x M.2 (A Key) 1 x M.2 (M Key) |
| CPU 散热器 | 19100-000323-00-RS 19100-000319-00-RS 19100-000333-00-RS | CF-115XA-R10 CF-1156C-R20 CF-1156D-R30 CF-115XE-R10 |

插槽式单板计算机和无源背板

PICMG 1.3 无源背板



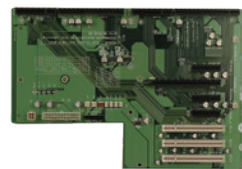
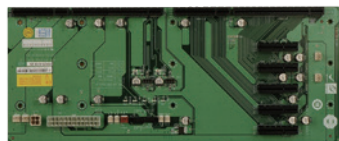
| 背板 | 型号 | HPXE2-5S1 | HPXE2-8S1 |
|------|----------|--------------|-------------------------|
| 总插槽数 | | 5 | 8 |
| 扩展槽 | PCIe x16 | 1 (Gen 3.0) | - |
| | PCIe x8 | - | 2 (Gen 3.0) |
| | PCI | 2 | 4 |
| 电源类型 | | 24+4-pin ATX | 24+4-pin ATX |
| 机箱选型 | | PR-1500G | PAC-125G |
| | | N/A | RACK-3000G RACK-360G |
| 注 | | ATX power | ATX power |

PAC series wall-mount chassis

4U/5U rack-mount chassis

1U/2U rack-mount chassis

Server Grade SBC Backplane



| 背板 | 型号 | SPE-6S | SPE-9S |
|------|-----|-----------------------|-----------------------------|
| 总数 | 插槽 | 6 | 7 |
| PCIe | x8 | - | 1 (x16 connector) (Gen 3.0) |
| | x4 | 5 (Gen 3.0) | 3 (Gen 3.0) |
| | PCI | - | 3 |
| 电源类型 | | 24+4-pin ATX | 24+4-pin ATX |
| 机箱选型 | | PAC-106G PAC-1000G | PAC-125G |



| 背板 | 型号 | SPXE-11S | SPXE-14S |
|------|-----|--------------------------------------|--------------------------------------|
| 总数 | 插槽 | 11 | 14 |
| PCIe | x8 | - | 1 (x16 connector) (Gen 3.0) |
| | x4 | 6 (x16 connector) (Gen 3.0) | - |
| | x1 | - | 12 (x4 connector) (Gen 3.0) |
| | PCI | 4 | - |
| 电源类型 | | 24+8-pin ATX | 24+8-pin ATX |
| 机箱选型 | | RACK-305G RACK-360G RACK-3000G | RACK-305G RACK-360G RACK-3000G |

PAC series wall-mount chassis

4U/5U rack-mount chassis

1U/2U rack-mount chassis

插槽式单板计算机和无源背板

PICMG 1.3 无源背板

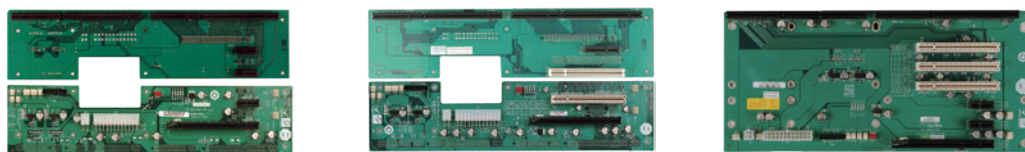
全尺寸单板计算机背板



| PICMG 1.3 (PCIe+PCI) | | 型号 | PE-2SD1 | PE-4S | PE-5S |
|----------------------|-----------|-------|--------------|--------------|--------------|
| 总插槽数 | | | 2 | 4 | 5 |
| 扩展槽 | PCIe 插槽 | x16 * | 1 (Gen 2.0) | 1 | 1 (Gen 2.0) |
| | | x4 | - | 1 | 1 (Gen 2.0) |
| | PCI Slots | | - | 1 | 2 |
| 插针式的USB连接 | | | 4 | 4 | 4 |
| 电源类型 | | | 24+4-pin ATX | 24+4-pin ATX | 24+4-pin ATX |
| 机箱 | | | RACK-1150-PE | N/A | N/A |
| 注 | | | 1U Type | | |



| PICMG 1.3 (PCIe+PCI) | | 型号 | PE-5S2 | PE-6S | PE-6S2 |
|----------------------|---------|-------------|--------------|--|-----------------------|
| 总插槽数 | | | 5 | 6 | 6 |
| 扩展槽 | PCIe 插槽 | x16 * | 1 (Gen 2.0) | 1 (Gen 2.0) | 1 (Gen 2.0) |
| | | x4 | - | - | 1 (Gen 2.0) |
| | x1 | 3 (Gen 2.0) | 2 (Gen 2.0) | - | |
| PCI 插槽 | | | - | 2 | 3 |
| 插针式的USB连接 | | | 4 | 4 | 4 |
| 电源类型 | | | 24+4-pin ATX | 24+4-pin ATX | 24+4-pin ATX |
| 机箱 | | | N/A | RACK-305G RACK-360G RACK-3000G PAC-1700G PAC-125 G | PAC-106G PAC-1000G |
| 注 | | | | | |



| PICMG 1.3 (PCIe+PCI) | | 型号 | PE-6SD | PE-6SD3 | PE-7S |
|----------------------|---------|-------------|--------------|--------------|--------------|
| 总插槽数 | | | 5 | 5 | 7 |
| 扩展槽 | PCIe 插槽 | x16 * | 1 (Gen 2.0) | 1 (Gen 2.0) | 1 (Gen 2.0) |
| | | x4 | - | 1 (Gen 2.0) | - |
| | x1 | 3 (Gen 2.0) | - | 2 (Gen 2.0) | |
| PCI 插槽 | | | - | 2 | 3 |
| 插针式的USB连接 | | | 4 | 4 | 4 |
| 电源类型 | | | 24+4-pin ATX | 24+4-pin ATX | 24+4-pin ATX |
| 机箱 | | | N/A | N/A | PAC-1700G |
| 注 | | | 2U Type | 2U Type | |

PAC series wall-mount chassis

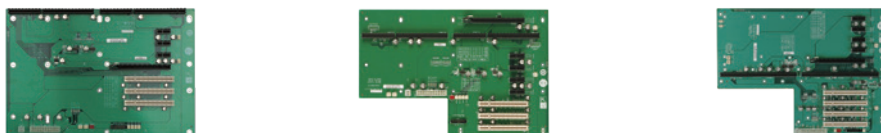
4U/5U rack-mount chassis

1U/2U rack-mount chassis

*使用PCIe x16外接卡时, 卡长不得超过167毫米或者6.57寸

插槽式单板计算机和无源背板

PICMG 1.3 无源背板



| PICMG 1.3 (PCIe+PCI) | | 型号 | PE-8S | PE-9S | PE-10S |
|----------------------|---------|--------|--------------|--------------|------------------------------------|
| 总插槽数 | | | 8 | 9 | 10 |
| 扩展槽 | PCIe 插槽 | x16 * | 1 (Gen 2.0) | 1 (Gen 2.0) | 1 (Gen 2.0) |
| | | x1 | 3 (Gen 2.0) | 4 (Gen 2.0) | 4 (Gen 2.0) |
| | | PCI 插槽 | 3 | 3 | 4 |
| 插针式的USB连接 | | | 4 | 4 | 4 |
| 电源类型 | | | 24+4-pin ATX | 24+4-pin ATX | 24+4-pin ATX |
| 机箱 | | | PAC-125G | N/A | RACK-305G / RACK-360G / RACK-3000G |



| PICMG 1.3 (PCIe+PCI) | | 型号 | PE-10S2 | PXE-13S | PXE-14S1 |
|----------------------|---------|--------|------------------------------------|------------------------------------|------------------------------------|
| 总插槽数 | | | 10 | 13 | 14 |
| 扩展槽 | PCIe 插槽 | x16 * | 1 (Gen 2.0) | 1 (Gen 3.0) | 1 (Gen 3.0) |
| | | x1 | 4 (Gen 2.0) | 3 (Gen 3.0) | 0 |
| | | PCI 插槽 | 4 | 8 | 12 |
| 插针式的USB连接 | | | 4 | 4 | 0 |
| PSU Type | | | 24+4-pin ATX | 24+4-pin ATX | 24+4-pin ATX |
| Chassis | | | RACK-3000G / RACK-305G / RACK-360G | RACK-3000G / RACK-305G / RACK-360G | RACK-3000G / RACK-305G / RACK-360G |
| Note | | | PCIe to PCI Bridge Backplane | | |

*使用PCIe x 16外接卡时，卡长不得超过167毫米或者6.57寸

 PAC series wall-mount chassis  4U rack-mount chassis

PCISA 半尺寸单板计算机背板

一个背板同时支持 PCI 和 ISA 插槽!半尺寸 PCISA 系列单板计算机

搭载PCISA卡优势


1. IP/IPX系列无源背板支持标准PISA 1.0 版插槽。
2. 兼容所有可用的 PCI/ISA 卡。IP/IPX 背板还集成了PCISA系列卡槽。



| 型号 | IP-3S | IP-5SA2 |
|--------|----------|----------|
| 总插槽数 | 3 | 5 |
| PCI 插槽 | 2 | 4 |
| 电源类型 | AT | ATX |
| 机箱 | PAC-53GH | PR-1500G |



| 型号 | IP-6S | IP-6SA | IP-10S |
|--------|-----------|----------------------|----------|
| 总插槽数 | 6 | 6 | 10 |
| PCI 插槽 | 3 | 3 | 4 |
| ISA 插槽 | 2 | 2 | 5 |
| 电源类型 | AT | ATX | ATX/JAT |
| 机箱 | PAC-1000G | PAC-106G / PAC-1000G | PAC-125G |

 PAC series wall-mount chassis  4U rack-mount chassis

插槽式单板计算机和无源背板

PCI/PX 背板

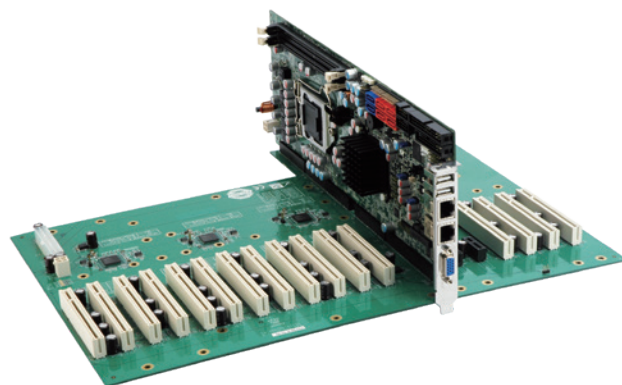
PICMG 1.0 全尺寸 单板计算机背板

一个背板同时支持PCI和ISA插槽!

PICMG 1.0 单板计算机

搭载PICMG 1.0单板计算机

1. PCI/PX系列无源背板支持标准 PICMG 1.0 版插槽
2. 兼容所有可用的PCI/ISA卡。PCI/PX背板还集成了ROCKY系列卡槽



| 型号 | PCI-5S2A-RS-R40 PCI-5S2-RS-R40 | PCI-6S-RS-R40 | PCI-7S-RS-R41 |
|--------|-----------------------------------|-----------------------|---------------|
| 总插槽数 | 5 | 6 | 7 |
| PCI 插槽 | 4 | 4 | 4 |
| ISA 插槽 | 1 | 2 | 3 |
| 电源类型 | ATX/AT | ATX/AT | ATX/AT |
| 机箱 | N/A | PAC-106G PAC-1000G | PAC-1700G |



| 型号 | PCI-10S-RS-R41 | PCI-12S-RS-R40 | PCI-14S-RS-R40 |
|--------|----------------|----------------|----------------|
| 总插槽数 | 10 | 12 | 14 |
| PCI 插槽 | 4 | 4 | 4 |
| ISA 插槽 | 5 | 7 | 9 |
| 电源类型 | ATX/AT | ATX/AT | ATX/AT |



| 型号 | PCI-5SD6-RS-R40 | PCI-6SD-RS-R40 |
|--------|-----------------|----------------|
| 总插槽数 | 6 | 6 |
| PCI 插槽 | L2+R2 | L1+R1 |
| ISA 插槽 | - | L1+R1 |
| 电源类型 | ATX | ATX |
| 机箱 | RACK-220G | RACK-220G |

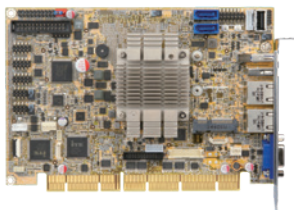
PAC series wall-mount chassis

4U/5U rack-mount chassis

1U/2U rack-mount chassis

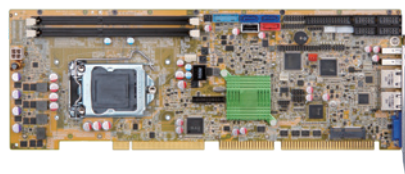
插槽式单板计算机和无源背板

半尺寸 PCISA 单板计算机



| 型号 | PCISA-BT |
|------------------|---|
| SoC | Intel® Atom® E3845 on-board SoC (1.91GHz, quad-core, 2MB cache, TDP=10W) Intel® Atom® E3825 on-board SoC (1.33GHz, dual-core, 1MB cache, TDP=6W) Intel® Atom® E3815 on-board SoC (1.46GHz, single-core, 512KB cache, TDP=5W) |
| 内存 | One 204-pin 1333/1066 MHz single-channel DDR3L SDRAM unbuffered SO-DIMM slot supports up to 8GB |
| 显示引擎 | Intel® HD Graphics Gen 7 Engines with 4 execution units, supporting DX11.1, OpenGL 4.2 and OpenCL 1.2 |
| 显示接口 | Dual independent display 1 x VGA 1 x 18/24-bit dual-channel LVDS (optional, MOQ: 100 pcs/lot) 1 x iDP interface for HDMI, LVDS, VGA, DVI, DP |
| 网络 | LAN1: Intel® I211-AT PCIe controller LAN2: Intel® I211-AT PCIe controller |
| I/O接口 | 1 x USB 2.0 1 x USB 3.2 Gen 1 (5Gb/s) 1 x KB/MS (1x6 pin) 1 x USB 2.0 (180° Type-A) 1 x LPT (2x13 pin) 2 x RS-232 (2x5 pin, P=2.54) 1 x mSATA 2 x SATA 3Gb/s 1 x RS-422/485 (1x4 pin, P=2.0) 4 x USB 2.0 (2x4 pin, P=2.54) |
| 音频 | Support 7.1 channel HD Audio by IEI AC-KIT-888S-R10 kit 1 x Front Audio (2x5 pin) |
| TPM | 1 x TPM (2x10 pin) |
| SMBus | 1 x SMBus (1x4 pin) |
| I ² C | 1 x I ² C (1x4 pin) |
| 红外接口 | 1 x Infrared interface (1x5 pin) |
| 扩展 | 1 x microSD socket 1 x PCIe Mini slot PCI and ISA signal via golden finger |
| 看门狗 | Software programmable supports 1~255 sec. system reset |
| 数字 I/O | 8-bit digital I/O (2x5 pin) |
| 风扇连接器 | 1 x CPU smart fan (1x4 pin) 1 x System smart fan (1x3 pin) |
| 电源 | 5V/12V, AT/ATX support |
| 功耗 | 5V@1.55A, 12V@0.74A (Intel® Atom® E3845 1.91GHz CPU with one 8 GB 1333 MHz memory) |
| 工作温度 | -20°C ~ 60°C |
| 存储温度 | -30°C ~ 70°C |
| 尺寸 | 185 mm x 128 mm |
| 重量 | GW: 1000g / NW: 250g |
| 安规 | CE/FCC compliant |

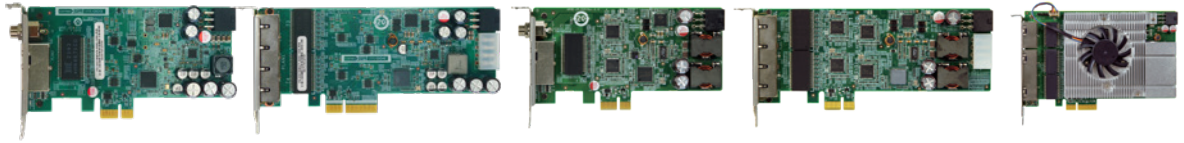
PICMG 1.0 全尺寸单板计算机



| 型号 | WSB-H810 |
|------------------|--|
| CPU | 4th generation LGA 1150 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported |
| 芯片组 | Intel® H81 |
| 内存 | Two 240-pin 1600/1333 MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs support up to 16 GB |
| BIOS | UEFI |
| 显示引擎 | Intel® HD Graphics Gen 7.5 supports DX11.1 and OpenCL 1.2, OpenGL 3.2/ Full MPEG2, VC1, AVC Decode |
| 显示接口 | Dual independent display 1 x VGA (up to 1920x1200@60 Hz) 1 x iDP interface for HDMI, LVDS, VGA, DVI, DP (up to 3840x2160@60 Hz) |
| 网络 | LAN1: Intel® I217-LM Ethernet controller LAN2: Intel® I211-AT Ethernet controller |
| 音频 | IEI AC-KIT-888S-R10 7.1-channel HD Audio kit via the on-board 10-pin header connector |
| I/O 接口 | 1 x KB/MS (1x6 pin) 2 x SATA 6Gb/s 1 x LPT (2x13 pin) 2 x USB 3.2 Gen 1 (5Gb/s) (2x10 pin) 1 x RS-422/485 (1x4 pin, P=2.0) 4 x RS-232 (2x5 pin, P=2.54) 1 x USB 2.0 (180° Type-A) 4 x USB 2.0 (2x4 pin, P=2.54) 1 x SATA 3Gb/s (AHCI supported, no RAID) |
| 前面板 | 1 x Front panel (2x7 pin, power LED, HDD LED, speaker, power button, reset button) |
| LAN LED | 2 x LAN LED (1x2 pin) |
| 数字 I/O | 8-bit digital I/O (2x5 pin) |
| TPM | 1 x TPM (2x10 pin) |
| SMBus | 1 x SMBus (1x4 pin) |
| I ² C | 1 x I ² C (1x4 pin) |
| 红外接口 | 1 x Infrared Interface (1x5 pin) |
| 扩展 | 1 x Full-size PCIe Mini card slot (support mSATA) PCI and ISA signal via golden finger |
| 看门狗 | Software programmable supports 1~255 sec. system reset |
| 风扇连接器 | 1 x CPU smart fan (1x4 pin) 1 x System smart fan (1x3 pin) |
| 电源 | 5V/12V, AT/ATX support |
| 功耗 | 5V@3.4A, 12V@0.36A, Vcore_12V@7.48A, 3.3V@1.42A, 5VSB@0.13A (Intel® Core™ i7-4770K 3.90 GHz CPU with 8 GB (two 4 GB) 1333 MHz DDR3 memory) |
| 工作温度 | -20°C ~ 60°C |
| 存储温度 | -30°C ~ 70°C |
| 工作湿度 | 5% ~ 95%, non-condensing |
| 尺寸 | 338 mm x 122 mm |
| 重量 | GW: 1000g / NW: 260g |
| 安规 | CE/FCC compliant |

周边设备

PoE 网卡



| 型号 | GPOE-2P2 | GPOE-4P2 | GPOE-2P | GPOE-4P | GPOE-6P |
|--------|--|--|--|---|---|
| 接口 | PCI Express® x1 | PCI Express® x4 | PCI Express® x1 | PCI Express® x1 | PCI Express® x4 |
| 网络 | Intel® I225/I226 controller 9kB jumbo frame IEEE 802.3at, IEEE1588 | Intel® I225/I226 controller 9kB jumbo frame IEEE 802.3az, IEEE1588 | Intel® I210 controller 9kB jumbo frame IEEE 802.3az, IEEE1588 | Intel® I210 controller 9kB jumbo frame IEEE 802.3az, IEEE1588 | 6 x Intel® i211AT controller 9kB jumbo frame |
| 风扇 | - | - | - | - | One 1x4 pin fan |
| 电源 | 12~24V DC input 1 x Internal DC input (2x3 pin) 1 x External DC Jack (Φ2.1/Φ5.5) **Caution! Choose one input only at a time | Support 12V~24V DC input power 1 x Internal DC input (1x4 pin) 1 x Internal DC input (2x3 pin) **Caution! Choose one input only at a time | 12~24V DC input 1 x Internal DC input (1x4 pin) 1 x External DC Jack (Φ2.1/Φ5.5) **Caution! Choose one input only at a time | 12~24V DC input 1 x Internal DC input (1x4 pin) 1 x Internal DC input (2x3 pin) **Caution! Choose one input only at a time | 12~24V DC input 1 x Internal DC input (2x3 pin) |
| PoE 耗能 | IEEE 802.3at 30W / 52V DC per port (Support for total 60 watts under full load) | LAN3/LAN4 support: IEEE 802.3af with 15.4W / 52V per port LAN1/LAN2 support: IEEE 802.3at with 30W / 52V per port (Support for total 90 watts under full load) | IEEE 802.3at 30W / 52V DC per port (Support for total 60 watts under full load) | Standard mode: IEEE 802.3af with 15.4W / 52V per port Dual port mode: IEEE 802.3at with 30W / 52V per port (Support for total 90 watts under full load) | IEEE 802.3at with 30W / 52V per port IEEE 802.3bt with 90W / 52V per port (Support for total 180 watts under full load) |
| 工作温度 | 0°C ~ 60°C | 0°C ~ 60°C (0 ~ 60 watts) 0°C ~ 50°C (60 ~ 90 watts) | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C |
| 存储温度 | -10°C ~ 70°C | -10°C ~ 70°C | -10°C ~ 70°C | -10°C ~ 70°C | -10°C ~ 70°C |
| 工作湿度 | 5% ~ 95%, non-condensing | 5% ~ 95%, non-condensing | 5% ~ 95%, non-condensing | 5% ~ 95%, non-condensing | 5% ~ 95%, non-condensing |
| 尺寸 | 130 mm x 69 mm | 158 mm x 69 mm | 130 mm x 65 mm | 160 mm x 65 mm | 169.44 mm x 106.65 mm |
| 重量 | 110g | 110g | 110g | 110g | 286g |
| 安规 | CE/FCC | CE/FCC | CE/FCC | CE/FCC | CE/FCC |

iRIS 扩展卡



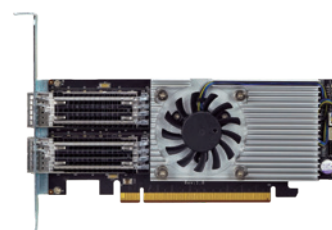
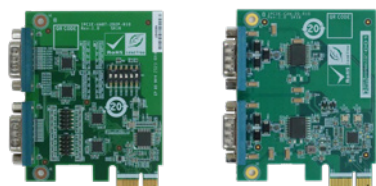
| 型号 | iRIS2-2600 | iRIS2-2620 |
|-----------------|--|---|
| 基于 IPMI 2.0 的管理 | BMC stack with a full IPMI 2.0 implementation Customizable sensor management | |
| 硬件运行状况监视器 | System/CPU temperature Fan speed Voltage | Chassis intrusion Power supply failed FRU (Field Replaceable Unit) |
| 事件日志 | BIOS event Hardware health monitor event Sensor readings | |
| 硬件状态 | Sensors | |
| LDAP 支持 | Direct LDAP support from the device Open LDAP (Generic LDAP) supported | |
| 多媒体重定向 | Virtual Media allows users to remotely mount given ISO/IMG drive images through BMC to Server Completely secured (Authenticated or Encrypted) remote KVM or virtual media | Virtual Media allows users to remotely mount given ISO/IMG drive images through BMC to Server |
| 远程电源控制 | Remote power control Keyboard, Video & Mouse (KVM) over IP (iRIS2-2600 only) Serial over LAN (SOL) | Remote power control Serial over LAN (SOL) |
| 用户管理 | IPMI based user management Added security with SSL (HTTPS) | Multiple user permission level Multiple user profiles |
| 网络配置界面 | Full configuration using web UI Fail-safe firmware upgrade Multi-language support in Web interface with English as the currently supported language | |
| 尺寸 (LxWxH) | 30mm x 80mm x 7.6mm | 30mm x 80mm x 7.6mm |
| 重量 | 18g | 18g |

周边设备

I/O 扩展模块



| 型号 | IM2-UART-4P | IM2-CAN-2P | IM2-DLAN |
|--|--|--|--|
| 外形 | M.2 B Key + M Key card | M.2 B Key + M Key card | M.2 B Key + M Key card |
| 输入接口 | M.2 B/M key 2280 (PCIe Gen3 x1 signal) | M.2 B/M key 3042 (PCIe Gen3 x1 signal) | M.2 B/M key 3042 (PCIe Gen3 x2 signal) |
| PCI Express Bridge to Quad Serial Port | Fintek F81504 | Fintek F81601 | LAN1: Intel® I226-V controller LAN2: Intel® I226-V controller |
| 缓冲器/收发器系列 | Fintek F81439 | Chipanalogue CA-IS3062 | - |
| 速率 | - | - | 100/1000/2500 Mbps |
| I/O接口 | 4 x RS-232/422/485 pin header (2x5 pin, P=2.0) | 2 x CANBus 2.0 B ports | 2 x RJ-45 2 x 14-pin LAN port |
| 工作温度 | -10°C ~ 65°C | -10°C ~ 65°C | -10°C ~ 65°C |
| 存储温度 | -30°C ~ 70°C | -30°C ~ 70°C | -30°C ~ 70°C |
| 工作湿度 | 5% ~95%, non-condensing | 5% ~95%, non-condensing | 5% ~95%, non-condensing |
| 尺寸 | 22mm x 80mm | 30mm x 42mm | 30mm x 42mm |
| 重量 | GW: 100g / NW: 50g | GW: 100g / NW: 50g | GW: 100g / NW: 50g |
| 安规 | CE/FCC compliant | CE/FCC compliant | CE/FCC compliant |



| 型号 | IPCIE-UART-2D2P | IPCIE-CAN-2D |
|--|---|--|
| 外形 | PCI Express® x1 | PCI Express® x1 |
| PCI Express Bridge to Quad Serial Port | Fintek F81504 | Fintek F81601 |
| 缓冲器/收发器系列 | Fintek F81439 | - |
| 协议 | - | CAN 2.0 A/B |
| CAN Transceiver IC | - | Chipanalogue CA-IS3062 |
| I/O接口 | 2 x RS-232/422/485 (DB9) 2 x RS-232/422/485 (2x5 pin, P=2.0) | 2 x DB9 (CAN 2.0B port with isolation) |
| 工作温度 | 0°C ~ 60°C | 0°C ~ 60°C |
| 存储温度 | -30°C ~ 70°C | -30°C ~ 70°C |
| 工作湿度 | 5% ~95%, non-condensing | 5% ~95%, non-condensing |
| 尺寸 | 70mm x 90mm | 70mm x 90mm |
| 重量 | GW: 120g / NW: 80g | GW: 120g / NW: 80g |
| 安规 | CE/FCC compliant | CE/FCC compliant |

| 型号 | LAN-100G2SF-E810 |
|---------|--------------------------------------|
| 外形 | Low profile PCI Express® add-on card |
| NIC | Intel® E810 |
| LAN 接口 | QSFP28 |
| 速率 | 100GbE |
| LAN 端口 | 2 x LAN ports |
| 主机接口 | 1 x PCIe Gen4 x16 |
| 存储温度 | -20°C ~ 75°C (-4°F ~ 167°F) |
| 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) |
| 工作湿度 | 5% ~ 95% RH, Non-condensing |
| 尺寸 (mm) | 165.50 (L) x 77.8 (W) x 44.2 (H) |
| 安规 | RoHS compliant |

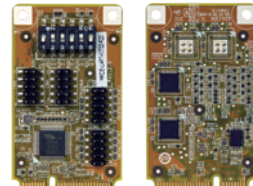
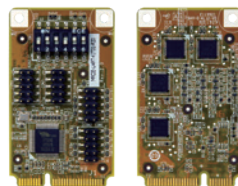
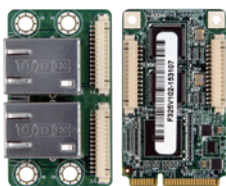
周边设备

I/O扩展模块



NEW

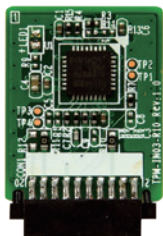
| 型号 | iUCOM-2D | iUCOM-4R | iUCOM-4D | iUA-CM6533 |
|-----------|---------------------------|----------------------------|---------------------------|--|
| 输入接口 | USB 2.0 (1x4 pin, P=2.0) | USB 2.0 (1x4 pin, P=2.0) | USB 2.0 (1x4 pin, P=2.0) | USB 2.0 (1x4 pin, P=2.0) |
| 转换器 IC | WCH CH342 | WCH CH344 | WCH CH344 | CM6533 |
| 缓冲器/收发器系列 | F81435 | Fintek 81435 | Fintek 81435 | - |
| I/O接口 | 2 x RS-232/422/485 (DB-9) | 4 x RS-232/422/485 (RJ-45) | 4 x RS-232/422/485 (DB-9) | 1 x Mic in (audio jack) 1 x Speaker out (audio jack) 2 x Speaker out (4-pin, P=1.25mm) (1.5W amplifier) |
| 工作温度 | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C |
| 工作湿度 | 10% ~ 95%, non-condensing | 10% ~ 95%, non-condensing | 10% ~ 95%, non-condensing | 10% ~ 95%, non-condensing |
| 尺寸 (LxW) | 65mm x 35mm | 95mm x 40mm | 140mm x 35mm | 44mm x 24mm |



| 型号 | MPCIE-DLAN | MPCIE-LAN | MPCIE-UART-KIT01 | MPCIE-UART-KIT02 |
|-----------|---|--|--|--|
| 外形 | PCI Express Mini card | PCI Express Mini card | PCI Express Mini card | PCI Express Mini card |
| BIOS | UEFI BIOS | - | - | - |
| 以太网控制器 | Dual Intel® I210-IT | Realtek RTL8111E | Fintek F81504 | Fintek F81504 |
| 速度 | 10/100/1000Mbps | 10/100/1000Mbps | - | - |
| 缓冲器/收发器系列 | - | - | F81439 | F81439 |
| 外部连接器 | 2 x 8-pin RJ-45 | 1 x 8-pin RJ-45 | 4 x RS-232/422/485 connector (2x5 pin) | 2 x RS-232/422/485 (2x5 pin header) 2 x 8-bit GPIO (2x5 pin header) |
| 电源 | On board 3.3V | On board 3.3V | - | - |
| 兼容的操作系统 | Windows XP/Server 2003/ Server 2008/ Vista/ 7 /8.1/10 Linux kernel version 2.6.32 or later | Windows 2000/ XP/ Server 2003/ Server 2008/ Vista/ 7 Linux kernel version 2.6.32 or later | - | - |
| 工作温度 | -10°C ~ 70°C | -10°C ~ 70°C | 0°C ~ 60°C | 0°C ~ 60°C |
| 工作湿度 | 5% ~ 95%, non-condensing | 5% ~ 95%, non-condensing | 5% ~ 95%, non-condensing | 5% ~ 95%, non-condensing |
| 尺寸 (LxW) | 51 mm x 30 mm | 51 mm x 30 mm | 51 mm x 30 mm | 51 mm x 30 mm |
| 重量 | 55g | 70g | GW: 100g / NW: 50g | GW: 100g / NW: 50g |
| 安规 | CE/FCC compliant | CE/FCC compliant | CE/FCC compliant | CE/FCC compliant |

周边设备

可信平台模块



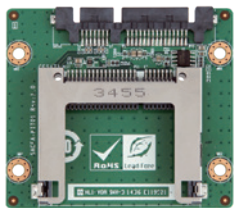
| 型号 | TPM-IN03 |
|----------|--|
| 接口类型 | SPI interface |
| 解决方案 | Infineon SPI TPM 2.0 with SLB9670VQ2.0 FW7.85 |
| 管理工具功能 | <ol style="list-style-type: none"> 1. TPM management 2. File & Folder En/De-cryption 3. Personal secure drive 4. Secure email 5. Key transferring 6. Security policy configuration 7. SPI interface |
| 市场划分 | Complete TPM 2.0 function |
| 操作系统支持 | Windows® & Linux |
| 工作温度 | 0°C ~ 60°C |
| 存储温度 | -20°C ~ 70°C |
| 工作湿度 | 5% ~ 95%, non-condensing |
| 尺寸 (LxW) | 26mm x 18mm |

Wi-Fi 模块

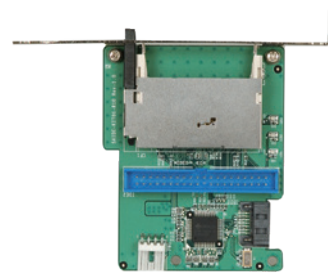


| 型号 | EMB-WIFI-KIT |
|------------|---|
| 标准 | IEEE 802.11a/b/g/n/ac, Wi-Fi compliant / Bluetooth 4.0 Standard |
| 主要芯片 | Realtek RTL8821AE |
| 天线 | 2x standard U.FL Connector |
| 频率范围 | Wi-Fi: 2.4GHz/5GHz, BT: 2402MHz~2483MHz |
| 调制 | Wi-Fi: 802.11a/g/n/ac: OFDM 802.11b: CCK(11, 5.5Mbps), DQPSK(2Mbps), BPSK(1Mbps) |
| 接收灵敏度Wi-Fi | Wi-Fi: 802.11a: less than -65 dBm (54M) 802.11b: less than -76 dBm (11M) 802.11g: less than -65 dBm (54M) 802.11n @2.4GHz: less than -64 dBm (HT20 MCS7) 802.11n @2.4GHz: less than -61 dBm (HT40 MCS7) 802.11n @5GHz: less than -64 dBm (HT20 MCS7) 802.11n @5GHz: less than -61 dBm (HT40 MCS7) 802.11ac @5GHz: less than -51 dBm (VHT80 MCS9) BT: BER < 0.1% (Anritsu 8852B Tx -70 dBm) |
| 驱动程序支持 | Windows 7/8/10, Linux kernel 3.18 |
| 温度 | 0°C ~ 70°C |
| 尺寸 | 29.85mm x 26.65mm x 1.5mm |
| 重量 | NW: 3.28g |

转接卡



| 型号 | SACFA-KIT01 |
|---|-------------|
| CFast™ socket | |
| 7-pin SATA data connector, and a female 17-pin power CFast™ connector | |



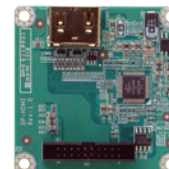
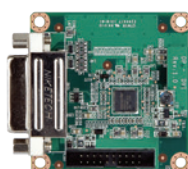
| 型号 | SAIDE-KIT01 |
|------------------------------------|-------------|
| CF Type II socket | |
| 40-pin IDE connector (master mode) | |
| 4-pin 5V input connector | |
| Power/5V/HDD LED indicator | |
| Support one IDE device or one CF | |

周边设备

显示扩展模块



| 型号 | iDPM-HDMI | iDPM-LVDS | iDPM-eDP | iDPM-DP | iDPM-VGA | iUDP-HDMI-2P |
|----------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------|
| 外形 | iDPM 2240 slot (IEI-defined B key) | iDPM 3040 slot (IEI-defined B key) | iDPM 2240 slot (IEI-defined B key) | iDPM 2240 slot (IEI-defined B key) | iDPM 2240 slot (IEI-defined B key) | USB to display Module |
| 内部连接器 | 1 x HDMI connector | - | 1 x eDP connector (1x40 pin) | 1 x DP connector | - | USB3.0/2.0 |
| 显示输出 | - | 1 x LVDS 24-bit dual-channel | - | - | 1 x VGA pin-header | 2 x HDMI |
| 显示 IC | CHRONTEL-CH7525A-BF-Fw1.8.10 | Chrontel - CH7511B (DP to LVDS) | - | - | - | DL-6950 (USB to 2 port HDMI) |
| 电源 | On-board 3.3V ~ 12V | On-board 3.3V ~ 12V | On-board 3.3V ~ 12V | On-board 3.3V ~ 12V | On-board 3.3V ~ 12V | |
| 工作温度 | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C |
| 工作湿度 | 5% ~ 95, non-condensing | 5% ~ 95, non-condensing | 5% ~ 95%, non-condensing | 5% ~ 95%, non-condensing | 5% ~ 95%, non-condensing | 5% ~ 95%, non-condensing |
| 尺寸 (LxW) | 22 mm x 40 mm | 40 mm x 30 mm | 40 mm x 22 mm | 22 mm x 40 mm | 40mm x 22mm | 72mm x 92mm |
| 安规 | CE/FCC compliant | CE/FCC compliant | CE/FCC compliant | CE/FCC compliant | CE/FCC compliant | CE/FCC compliant |



| 型号 | DP-LVDS | DP-DVI | DP-HDMI |
|-------|---------------------------------|-----------------------------------|--------------------------------------|
| 显示输入 | 1 x IEI iDP connector | 1 x IEI iDP connector | 1 x IEI iDP connector |
| 显示输出 | 1 x LVDS 24-bit dual-channel | 1 x DVI | 1 x HDMI 1.3a |
| 显示 IC | Chrontel - CH7511B (DP to LVDS) | Parade - PS161 (DP to HDMI / DVI) | IC: Parade - PS161 (DP to HDMI 1.3a) |
| 温度 | -10°C ~ 60°C | -10°C ~ 60°C | -10°C ~ 60°C |
| 湿度 | 5% ~ 95 non-condensing | 5% ~ 95 non-condensing | 5% ~ 95 non-condensing |
| 尺寸 | 60 mm x 50 mm | 50 mm x 50 mm | 50 mm x 50 mm |



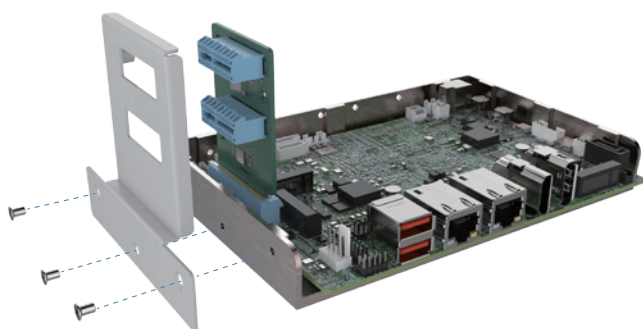
| 型号 | LVDS-VGA | |
|---|------------------------------------|--|
| Resolution adjusted by BIOS | Support 1024x768, 800x600, 640x480 | |
| Provide 2nd VGA option for dual VGA display | | |
| 18-bit LVDS to VGA converter board | | |

周边设备

iEi威强电 2.5”/3.5”/4” 单板计算机PCIe扩展转接卡

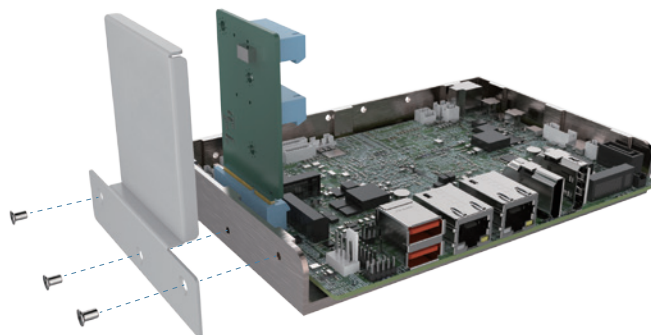
iEi威强电最新的2.5英寸/3.5英寸/4英寸SBC具有PCIe x4/x2插槽，这是iEi威强电紧凑型单板计算机的一种新设计，可扩展功能，使PoE、视频捕获或I/O卡与兼容的转接卡轻松集成。

朝外PCIe扩展卡



尽管可能会占用更多的空间，但向外的T形可以帮助增强系统内的气流和热传递。它非常适合放置足够宽的扩展卡的机箱。

朝内PCIe扩展卡



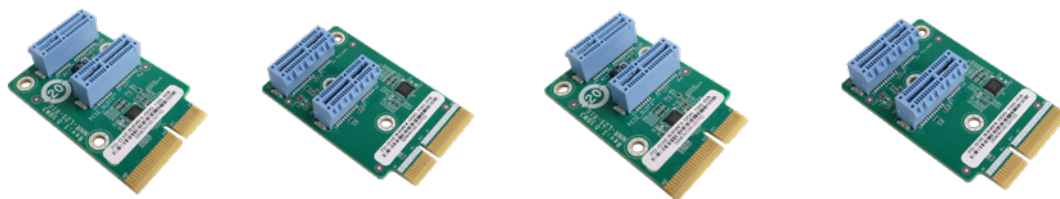
面向内的U型适用于空间有限的地方安装。提升卡槽具有更高的高度以增加板之间的间距，可确保空间受限应用的高效散热。



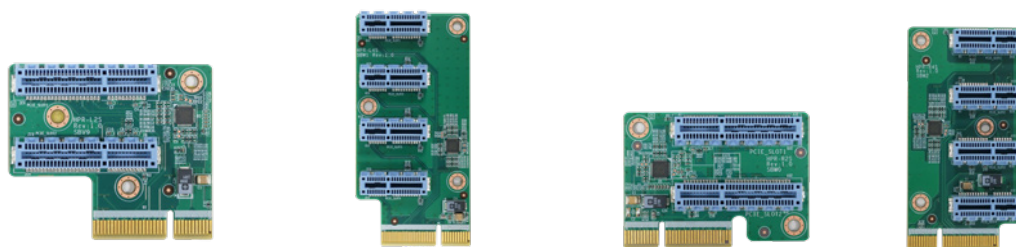
| 主板 | 转接卡 | 转接卡说明 |
|-------------------|----------------|---|
| WAFFER-EHL-J6412C | NWR-L2S-R10 | PCIe x2 to two PCIe x1, on the left side |
| | NWR-R2S-R10 | PCIe x2 to two PCIe x1, on the right side |
| NANO-EHL-J6412C | NWR-L2S-N-R10 | PCIe x2 to two PCIe x1, the left side |
| | NWR-R2S-N-R10 | PCIe x2 to two PCIe x1, on the right side |
| HYPER-EHL | HPR-L2S-R10 | PCIe x4 to two PCIe x2 riser card, on the left side |
| | HPR-L4S-R10 | PCIe x4 to four PCIe x1, on the left side |
| | HPR-R2S-R10 | PCIe x4 to two PCIe x2, on the right side |
| | HPR-R4S-R10 | PCIe x4 to four PCIe x1, on the right side |
| WAFFER-ADL-P | NWR2-L2S-R10 | PCIe x4 to two PCIe x2, on the left side |
| | NWR2-R2S-R10 | PCIe x4 to two PCIe x2, on the right side |
| NANO-ADL-P | NWR2-L2S-N-R10 | PCIe x4 to two PCIe x2, on the left side |
| | NWR2-R2S-N-R10 | PCIe x4 to two PCIe x2, on the right side |
| | NWR-L3S-N-R10 | PCIe x3 to three PCIe x1, on the left side |
| | NWR-R3S-N-R10 | PCIe x3 to three PCIe x1, on the right side |

周边设备

iEi 威强电 2.5”/3.5”/4” 单板计算机PCIe扩展转接卡



| 型号 | NWR-L2S-R10 | NWR-R2S-R10 | NWR-L2S-N-R10 | NWR-R2S-N-R10 |
|------|------------------------|------------------------|------------------------|------------------------|
| 输入信号 | PCIe x2 | PCIe x2 | PCIe x2 | PCIe x2 |
| 输出信号 | Two PCIe x1 | Two PCIe x1 | Two PCIe x1 | Two PCIe x1 |
| 温度 | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C |
| 湿度 | 5 ~ 95% non-condensing | 5 ~ 95% non-condensing | 5 ~ 95% non-condensing | 5 ~ 95% non-condensing |
| 方向 | Left side | Right side | Left side | Right side |
| 尺寸 | 40 mm x 60 mm | 40 mm x 65 mm | 40 mm x 60 mm | 40 mm x 65 mm |
| 适配主板 | WAFER-EHL-J6412C | | NANO-EHL-J6412C | |



| 型号 | HPR-L2S-R10 | HPR-L4S-R10 | HPR-R2S-R10 | HPR-R4S-R10 |
|------|------------------------|------------------------|------------------------|------------------------|
| 输入信号 | PCIe x4 | PCIe x4 | PCIe x4 | PCIe x4 |
| 输出信号 | Two PCIe x2 | Four PCIe x1 | Two PCIe x2 | Four PCIe x1 |
| 温度 | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C |
| 湿度 | 5 ~ 95% non-condensing | 5 ~ 95% non-condensing | 5 ~ 95% non-condensing | 5 ~ 95% non-condensing |
| 方向 | Left side | Left side | Right side | Right side |
| 尺寸 | 50 mm x 58 mm | 44 mm x 90 mm | 43 mm x 60 mm | 43 mm x 83 mm |
| 适配主板 | HYPER-EHL | | | |



| 型号 | NWR2-L2S-N-R10 | NWR2-R2S-N-R10 | NWR-L3S-N-R10 | NWR-R3S-N-R10 | NWR2-L2S-R10 | NWR2-R2S-R10 |
|------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 输入信号 | PCIe x4 | PCIe x4 | PCIe x4 | PCIe x4 | PCIe x4 | PCIe x4 |
| 输出信号 | Two PCIe x2 | Two PCIe x2 | Three PCIe x1 | Three PCIe x1 | Two PCIe x2 | Two PCIe x2 |
| 温度 | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C | 0°C ~ 60°C |
| 湿度 | 5 ~ 95% non-condensing | 5 ~ 95% non-condensing | 5 ~ 95% non-condensing | 5 ~ 95% non-condensing | 5 ~ 95% non-condensing | 5 ~ 95% non-condensing |
| 方向 | Left side | Right side | the left side | the right side | Left side | Right side |
| 尺寸 | 55 mm x 60 mm | 55 mm x 60 mm | 40 mm x 100 mm | 40 mm x 100 mm | 55 mm x 60 mm | 55 mm x 60 mm |
| 适配主板 | NANO-ADL-P | | | WAFER-ADL-P | | |

工业机箱

| 型号 | 类型 | 主板类型 | | 支持插槽数 | 驱动能力 | | | | 风扇规格 | | | |
|------------|----|---|--------------------------|-------|------------|-----------|----------|----------|------|------|------|-------|
| | | 主板插槽 | 主板 | | 5.25" F.P. | 3.5" F.P. | 2.5" Int | 3.5" Int | 4 cm | 6 cm | 8 cm | 12 cm |
| RACK-1150G | 1U | PICMG 1.0 full-size/ PICMG 1.3 full-size | | 3 | 1 | | | 1 | 3 | | | |
| RACK-220G | 2U | PICMG 1.0 full-size | *microATX, Mini-ITX | 6 | 1 | 1 | | 1 | | | 2 | |
| RACK-305G | 4U | Full-size | *ATX, microATX, Mini-ITX | 14 | 2 | 1 | | 1 | | ***2 | 2 | |
| RACK-360G | 4U | Full-size | *ATX, microATX, Mini-ITX | 14 | 2 | 1 | | 1 | | ***2 | | 1 |
| RACK-3000G | 4U | Full-size | *ATX, microATX, Mini-ITX | 14 | 3 | 2 | | 1 | | ***2 | 2 | |
| RACK-500AI | 5U | Full-size | | 5 | | 1 | | 1 | | | 1 | |
| ECA-300 | | | ATX, microATX | 7 | 2 | | | 1 | 1 | | | |
| ECA-200 | | | microATX | 4 | | | | 1 | 1 | | | |
| ECA-100 | | | ATX, microATX | 7 | | | | 1 | 1 | | | |
| PAC-1000G | | Full-size | | 6 | 1 | 1 | | 1 | | | 1 | |
| PAC-106G | | Full-size | | 6 | | 1 | | 1 | | | 1 | |
| PAC-1700G | | Full-size | | 7 | 1 | 1 | | 2 | | | 1 | |
| PAC-125G | | Full-size | | 10 | 2 | 1 | | 1 | | | 1 | |
| PAC-53GH | | Half-size | | 3 | | | | 1 | | | | |
| PR-1500G | | Half-size | | 5 | ◇1 | 1 | | 1 | | | 1 | |
| PAC-700G | | Half-size | | 7 | 1 | △1 | | 1 | | | 1 | |

| 型号 | 指示灯 | | 前面板控制 | | | | | | 后面板控制 | | 电源 | 尺寸 (mm) | | | 颜色 | |
|------------|-------|-----|-------|-------|----|-----|---------|-----|-------|-----|------------------------|---------|-------|-------|---------------------|----|
| | Power | HDD | Power | Reset | KB | USB | Keylock | COM | USB | COM | | 深度 | 高度 | 宽度 | 黑色 | 白色 |
| RACK-1150G | ○ | ○ | ○ | ○ | | 2 | | | | | 1U | 449 | 44 | 431 | ○ | |
| RACK-220G | ○ | ○ | ○ | ○ | | 2 | ○ | | | | PS/2 | 487.5 | 88 | 431 | ○ | ○ |
| RACK-305G | ○ | ○ | ○ | ○ | ○ | 2 | ○ | | | | PS/2 or mini redundant | 413 | 176 | 431 | ○ | ○ |
| RACK-360G | ○ | ○ | ○ | ○ | ○ | 2 | ○ | | | | PS/2 or mini redundant | 435.5 | 176 | 431 | ○ | ○ |
| RACK-3000G | ○ | ○ | ○ | ○ | | | ○ | | | | PS/2 or mini redundant | 520 | 176 | 431 | ○ | ○ |
| RACK-500AI | ○ | ○ | ○ | ○ | | 2 | | | | | 1U | 440.2 | 221.3 | 110.6 | (Navy Blue & Black) | |
| ECA-300 | ○ | ○ | ○ | ○ | | 2 | | 6 | | | 1U | 291 | 162 | 365 | ○ | |
| ECA-200 | ○ | ○ | ○ | ○ | | 2 | | 6 | | | 1U | 310 | 162 | 310 | ○ | |
| ECA-100 | ○ | ○ | ○ | ○ | | 2 | | | 4 | 2 | 1U | 320 | 480.5 | 210 | | ○ |
| PAC-1000G | ○ | ○ | ○ | ○ | | | | | | | PS/2 | 421 | 176 | 232 | ○ | |
| PAC-106G | ○ | ○ | ○ | ○ | | 2 | | | | | 1U | 400 | 175.5 | 166 | | ○ |
| PAC-1700G | ○ | ○ | ○ | ○ | | | | | | | PS/2 | 433 | 253.7 | 192.4 | ○ | |
| PAC-125G | ○ | ○ | ○ | ○ | | 2 | ○ | | | | PS/2 | 420 | 176 | 321 | | ○ |
| PAC-53GH | ○ | ○ | ○ | ○ | | 2 | | | | | 1U | 218 | 200 | 95 | | ○ |
| PR-1500G | ○ | ○ | ○ | ○ | | 2 | | | | | 1U | 254 | 132 | 286 | | ○ |
| PAC-700G | ○ | ○ | ○ | ○ | | 2 | ○ | | | | 1U | 279 | 176 | 321 | ○ | |

■ 机架式
■ 全尺寸壁挂式
■ 半尺寸壁挂式

* ATX 型号
 *** ATX 型号的可选风扇

◇ 超薄型光驱
 △ 请参考数据表以获取详细信息

工业机箱

全尺寸机架式机箱



| 型号 | RACK-360 | RACK-3000G | RACK-500AI |
|-----------------------|---|--|--|
| 材质 | Heavy duty metal | Heavy duty metal | Heavy duty metal |
| SBC 规格 | Full-size, slot CPU card | Full-size, slot CPU card | Full-size CPU cards |
| 驱动器托架 | Shock-resistant disk drive bay design 3 x 5.25" + 1 x 3.5/2.5" HDD or 2 x 5.25" + 2 x 3.5/2.5" HDD (1 x front accessible) | 3 x 5.25" + 1 x front-accessible 3.5" + 2 x 3.5" HDD or 3 x 5.25" + 2 x front-accessible 3.5" + 1 x 3.5" HDD or 3 x 5.25" + 3 x 3.5" HDD | 1 x Front-accessible 3.5" 1 x 3.5" HDD |
| 冷却风扇 | 1 x 12 cm | 2 x 8 cm | 1 x 8 cm |
| I/O 接口 | 2 x USB | N/A | 2 x USB |
| I/O Openings | 2 x COM, 2 x LPT | 2 x COM, 2 x LPT, 1 x PS2 | 1 x LPT, 1 x COM |
| 扩展插槽 | 14 slots for RACK-360G 7 slots for RACK-360GATX | 14 slots for RACK-3000G 7 slots for RACK-3000GATX | 5 slots |
| 显示 | Power, HDD | Power, HDD | Power, HDD |
| 按键 | Power switch, reset button | Power switch, reset button | Power switch, reset button |
| 工作温度 | 0°C ~ 50°C | 0°C ~ 50°C | 0°C ~ 50°C |
| 工作湿度 | 10% ~ 90% | 10% ~ 90% | 10% ~ 90% |
| 振动 | Half-sine wave shock 5G, 11ms, 100 shocks per axis | N/A | N/A |
| 冲击 | MIL-STD-810G 514.6C-1 | N/A | N/A |
| 颜色 | B: Black/ W: White | Black | Navy blue and black |
| 净重/毛重 | 11 kg/15.4 kg | 13 kg/18 kg | 6 kg/9 kg |
| 尺寸 (DxWxH) | 435.5 mm x 431 mm x 176 mm | 520 mm x 431 mm x 176 mm | 440.2 mm x 110.6 mm x 221.3 mm |
| PCIe 扩展卡 (GPU/附加卡) 建议 | N/A | N/A | Total maximum up to 150W (80W CPU with 16GB memory, 350W ATX Power) Total maximum up to 180W (35W CPU with 16GB memory, 350W ATX Power) |

工业机箱

全尺寸机架式机箱



| 型号 | RACK-1150G/1150G-PE | RACK-220G | RACK-305G |
|--------------|--------------------------------------|--|---|
| 材质 | Heavy duty metal | Heavy duty metal | Heavy duty metal |
| SBC 规格 | Full-size CPU card | Full-size, slot CPU card | Full-size, slot CPU card |
| 驱动器托架 | 1 x 5.25" 1 x 3.5" HDD (internal) | 1 x 5.25" 1 x 3.5" 1 x 3.5" HDD (internal) | 3 x 5.25" + 1 x 3.5" HDD or 2 x 5.25" + 2 x 3.5" HDD or 2 x 5.25" + 1 x 3.5" HDD + 1 x front accessible 3.5" or 2 x 5.25" + 2 x front accessible 3.5" |
| 冷却风扇 | 3 x 4 cm | 2 x 8 cm | 2 x 8 cm |
| I/O 接口 | 2 x USB | 2 x USB | 2 x USB |
| I/O Openings | 1 x COM, 1 x LPT | N/A | N/A |
| 扩展插槽 | 3 slots/2 slots (PE) | 6 slots | 14 slots for RACK-305G 7 slots for RACK-305GATX |
| 显示 | Power, HDD | Power, HDD | Power, HDD |
| 按键 | Power switch, reset button | Power switch, reset button | 1 x Power switch, 2 x reset buttons |
| 工作温度 | 0°C ~ 50°C | 0°C ~ 50°C | 0°C ~ 50°C |
| 工作湿度 | 10% ~ 90% | 10% ~ 90% | 10% ~ 90% |
| 颜色 | B: Black | Black | W: White/B: Black |
| 净重/毛重 | 7.5 kg/9.5 kg | 8.2 kg/12.4 kg | 10.4 kg/15 kg |
| 尺寸 (DxWxH) | 449 mm x 431 mm x 44 mm | 488 mm x 431 mm x 89 mm | 413 mm x 431 mm x 176 mm |

RACK-1150G and RACK-1151G support processors with a maximum TDP of 31 W only.

塔式工业机箱



| 型号 | ECA-300 | ECA-200 | ECA-100 |
|--------------|--|---|---|
| 材质 | Heavy duty metal | Heavy duty metal | Heavy duty metal |
| SBC 规格 | ATX/microATX | microATX | ATX/microATX |
| PSU | PS/2 ATX power supply | 1U flex power supply | 1U flex power supply |
| 驱动器托架 | 2 x 5.25" 1 x 3.5"/2.5" HDD/SSD | 1 x 3.5"/2.5" HDD/SSD Expansion: 1 x 3.5"/2.5" HDD/SSD by the optional ECA-HDD-KIT-R10 | 1 x 3.5"/2.5" HDD/SSD Expansion: 1 x 3.5"/2.5" HDD/SSD by the optional ECA-HDD-KIT-R10 |
| 冷却风扇 | 1 | 1 | 1 |
| I/O Openings | 2 x USB, 4 x USB, 2 x COM | 2 x USB, 6 x COM | 2 x USB, 6 x COM |
| 扩展插槽 | 7 | 4 | 7 |
| 显示 | 1 x Power LED, 1 x HDD LED | 1 x Power LED, 1 x HDD LED | 1 x Power LED, 1 x HDD LED |
| 按键 | 1 x Reset button, 1 x Power switch | 1 x Reset button, 1 x Power switch | 1 x Reset button, 1 x Power switch |
| 安装方式 | Desktop, wall mount | Desktop, wall mount | Desktop, wall mount |
| 工作温度 | -10°C ~ 50°C | -10°C ~ 50°C | -10°C ~ 50°C |
| 工作湿度 | 5% ~ 95% | 5% ~ 95% | 5% ~ 95% |
| 颜色 | Silver | Black | Black |
| 振动 | MIL-STD-810F 514.5C-1 | MIL-STD-810F 514.5C-1 | MIL-STD-810F 514.5C-1 |
| 冲击 | Half-sine wave 3G, 11ms, 100 shocks per axis | Half-sine wave 3G, 11ms, 100 shocks per axis | Half-sine wave 3G, 11ms, 100 shocks per axis |
| 尺寸 (DxWxH) | 210 mm x 320 mm x 480.5 mm | 310 mm x 310 mm x 162 mm | 365 mm x 291 mm x 162 mm |

工业机箱

全尺寸紧凑型机箱



| 型号 | PAC-1000G | PAC-106G | PAC-1700G | PAC-125G |
|--------------|--|---|--|--|
| 材质 | Metal with plastic front panel | Heavy duty metal | Metal with plastic front panel | Heavy duty metal |
| SBC 规格 | Full-size, slot CPU card | Full-size, slot CPU card | Full-size, slot CPU card | Full-size, slot CPU card |
| 驱动器托架 | 1 x Front-accessible 3.5", 1 x 5.25", 1 x 3.5" HDD | 1 x Front-accessible 3.5", 1 x 3.5" HDD | 1 x front-accessible 3.5", 1 x 5.25", 2 x 3.5" HDD | 2 x 5.25", 1 x Front accessible 3.5", 1 x 3.5" HDD |
| 冷却风扇 | 1 x 8 cm | 1 x 8 cm | 1 x 8 cm | 1 x 80 mm x 80 mm x 25 mm |
| I/O 接口 | None | 2 x USB | None | 2 x USB |
| I/O Openings | 1 x LPT, 1 x COM | 1 x COM, 1 x LPT | 1 x LPT, 2 x COM | 1 x LPT, 1 x COM |
| 扩展插槽 | 6 slots | 6 slots | 7 slots | 10 slots |
| 显示 | Power, HDD | Power, HDD | Power, HDD | Power, HDD |
| 按键 | Power switch, reset | Power switch, reset | Power switch, reset | Power switch, reset |
| 工作温度 | 0°C ~ 50°C | 0°C ~ 50°C | 0°C ~ 50°C | 0°C ~ 50°C |
| 工作湿度 | 10% ~ 90% | 10% ~ 60% | 10% ~ 90% | 10% ~ 90% |
| 颜色 | B: Black | W: White | B: Black | W: White |
| 净重/毛重 | 5.6 kg/8.8 kg | 5.2 kg/7.8 kg | 6 kg/8.4 kg | 7.2 kg/10.4 kg |
| 尺寸 (DxWxH) | 421 mm x 232 mm x 176 mm | 400 mm x 166 mm x 175.5 mm | 433 mm x 233 mm x 253.7 mm | 420 mm x 321 mm x 176 mm |

半尺寸紧凑型机箱



| 型号 | PAC-54GH | PR-1500G | PAC-700G |
|--------------|----------------------------|------------------------------------|---|
| 材质 | Heavy duty metal | Heavy duty metal | Heavy duty metal |
| SBC 规格 | Half-size CPU card | Half-size CPU card | Half-size CPU card |
| 驱动器托架 | 1 x 1.25" HDD | 1 x 5.25", 1 x 3.5" HDD (internal) | 2 x 5.25" + 1 x front accessible 3.5" or 1 x 5.25" + 2 x front accessible 3.5" or 1 x 5.25" |
| 冷却风扇 | 3 x 4 cm | 1 x 8 cm | 1 x 8 cm |
| I/O 接口 | 2 x USB | 2 x USB | 2 x USB |
| I/O Openings | 1 x COM, 1 x LPT | 1 x COM, 1 x LPT | 2 x COM, 2 x LPT |
| 扩展插槽 | 3 SLOTS | 5 slots | 7 slots |
| 显示 | Power, HDD | Power, HDD | Power, HDD |
| 按键 | Power switch, reset button | Power switch, reset button | Power switch, reset button |
| 工作温度 | 0°C ~ 50°C | 0°C ~ 50°C | 0°C ~ 50°C |
| 工作湿度 | 10% ~ 90% | 10% ~ 90% | 10% ~ 90% |
| 颜色 | Black | Black | Black |
| 净重/毛重 | 2 kg/3.8 kg | 3.6 kg/6.2 kg | 6.2 kg/9 kg |

工业机箱

Mini-ITX 版型机箱



| 型号 | EBC-3220 | | EBC-3100 |
|--------|----------------|---|--|
| 平台 | Case only | | Case only |
| 机箱 | 颜色 | Black | |
| | 尺寸(WxDxH) (mm) | 190 x 180 x 55 | |
| | 系统风扇 | 1 x 4 cm | |
| | 机箱材质 | Heavy duty metal | |
| 主板 | 主板 型号 | KINO-BW KINO-DH810 KINO-DBT | KINO-DH310 KINO-DH110 KINO-TGL-U KINO-AQ170 |
| | SBC 尺寸 (mm) | Mini-ITX (170 x 170) | |
| 存储 | 硬盘 | 1 x 2.5" SATA HDD/SSD drive bay | |
| | CF Card/CFast | N/A | |
| | SD Card | Refer to SBC | |
| I/O 接口 | PS2 (KB/MS) | N/A | |
| | USB 3.2 Gen 1 | Refer to SBC | |
| | USB 2.0 | Refer to SBC | |
| | 网络 | 2 | |
| | COM 接口 | Refer to SBC | |
| | LPT | Refer to SBC | |
| | 显示 | Refer to SBC | |
| | 分辨率 | Refer to SBC | |
| | 音频 | Refer to SBC | |
| | 无线 | Refer to SBC | |
| 扩展 | PCI | N/A | |
| | PCIe | N/A | |
| | PCIe Mini | Refer to SBC | |
| | 其他 | N/A | |
| 电源 | 电源输入 | 12V DC | |
| | 电源 | 12V DC | |
| 可靠性 | 安装方式 | VESA 100, wall mount | |
| | 工作温度 | -10°C ~ 50°C | |
| | 冲击 | Half-sine wave 3G, 11ms 3 shocks per axis | |
| | 振动 | MIL-STD-810F 514.5C-1 | |
| | 净重/毛重 | 1 kg/2 kg | |
| | | | 90~264V AC 63030-010180-000-RS 180W 63030-010300-000-RS 300W |
| | | | Desktop, wall mount |
| | | | 0°C ~ 50°C |
| | | | 2.5 kg/3.9 kg |

系统产品系列



高性能嵌入式工控机

TANK-XM81x Series

13th/12th/11th/10th Gen Intel® Core™ Desktop Processors

TANK-XM87x Series

7th Gen Intel® Core™ Desktop Processors

TANK-610 Series

Intel® Celeron® N3160 Processor

TANK-630 Series NEW

Intel® Celeron® J6412 Processor

DIN导轨式工控机

DRPC-242-ADL-P NEW

12th Gen Intel® Core™ Mobile Processors

DRPC-124-EHL

Intel® Celeron® Processor J6412

DRPC-140-EHL NEW

Intel® Celeron® Processor J6412

DRPC-240-TGL-U

11th Gen Intel® Core™ Mobile Processors

DRPC-W Series

11th Gen Intel® Core™ Mobile Processors
Intel® Celeron® Processors
Intel® Atom® x6000 Processors

紧凑型工控机

IDS-330-ADL-P

12th Gen Intel® Core™ Mobile Processors

机架式工控机

FLEX-BX210

11th Gen Intel® Core™ Desktop Processors

超级紧凑型工控机

ulBX-260

Intel® Celeron® Processor J6412

ulBX-250-BW

Intel® Celeron® Processor N3160

嵌入式工控机

TANGO-7010

12th Gen Intel® Core™ Desktop Processors

TANGO-3010

Intel® Celeron® Processor J6412

**4K 低延迟
Pro AV 应用**

视频收发器

iSDV-200CTR

BlueRiver® AVP2000T

高性能嵌入式工控机


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白皮书概述

此白皮书将深入探讨IIoT在加固边缘面临的挑战，以及现代硬件策略如何确保可靠的性能和智能数据处理，从而将AI的价值进一步融入现代生活和企业业务。

| 型号 | TANK-XM811 | TANK-XM810 | |
|-------|-----------------|--|--|
| 机箱 | 颜色 | Black C | Black C |
| | 尺寸 (WxDxH) (mm) | 230.6 x 256.04 x 76.2 | 230.6 x 256.04 x 76.2 |
| | 系统风扇 | Fanless | Fanless |
| | 机箱材质 | Extruded aluminum alloys | Extruded aluminum alloys |
| 主板 | CPU | 12/13th Gen Intel® Core™ CPU 35/65W Intel® Core™ i5-12500TE 1.9 GHz (up to 4.3 GHz, 6-core, 35W TDP) Intel® Core™ i7-12700TE 1.4 GHz (up to 4.6 GHz, 12-core, 35W TDP) | 10/11th Gen Intel® Core™ CPU 35/65W Intel® Core™ i3-10320 3.8 GHz (up to 4.6 GHz, quad-core, 65W TDP) Intel® Core™ i5-10500TE 2.3 GHz (up to 3.7 GHz, 6-core, 35W TDP) Intel® Core™ i7-10700TE 2.0 GHz (up to 4.4 GHz, 8-core, 35W TDP) |
| | 芯片组 | R680E | Q470/Q470E |
| | 系统内存 | 2 x SO-DIMM DDR4 3200 MHz (8GB pre-installed) (up to 64GB) | 2 x SO-DIMM DDR4 2933 MHz (8GB pre-installed) (up to 64GB) |
| 存储 | 硬盘 | 1 x 2.5" SATA 6Gb/s HDD/SSD bay | 1 x 2.5" SATA 6Gb/s HDD/SSD bay |
| I/O接口 | USB | 8 x USB 3.2 Gen 2 (10Gb/s) | 6 x USB 3.2 Gen 2 (10Gb/s) 2 x USB 2.0 |
| | 网络 | 2 x RJ45 2 x I225-V/I226-V 2.5GbE | 2 x RJ45 2 x I225-V/I226-V 2.5GbE |
| | COM 接口 | 2 x RS-232/422/485, 4 x RS-232 | 2 x RS-232/422/485, 4 x RS-232 |
| | 数字 I/O | 12-bit Digital I/O (6-in/6-out) DB15 | 12-bit Digital I/O (6-in/6-out) DB15 |
| | 显示 | 1 x DP++ 1 x HDMI | 1 x DP++ 1 x HDMI |
| | 无线 | 1 x 802.11a/b/g/n/ac (optional) | N/A |
| | TPM | Support Intel® PTT function | Support Intel® PTT function |
| 扩展 | PCIe Mini | Optional | Optional |
| | M.2 | 1 x 2280 M-key (PCIe x4) 1 x 2230 A-key (USB+PCIe x1, supports vPRO) | 2 x 2280 M-key (PCIe x2) |
| | 背板 | Optional | Optional |
| 电源 | 电源输入 | 12 ~ 28V DC | 12 ~ 28V DC |
| | 功耗 | 12V @ 8.8A (Intel® Core™ i9-12900TE with 16GB memory) | 12V @ 8A (Intel® Core™ i9-10900TE with 8GB memory) |
| 可靠性 | 安装方式 | Wall mount | Wall mount |
| | 工作温度 | -20°C ~ -60°C with air flow (SSD) 10% ~ 95% non-condensing | -20°C ~ -60°C with air flow (SSD) 10% ~ 95% non-condensing |
| | 冲击 | Half-sine wave shock 5G, 11ms 100 shocks per axis (SSD) | Half-sine wave shock 5G, 11ms 100 shocks per axis (SSD) |
| | 震动 | MIL-STD-810G 514.6C-1 (with SSD) | MIL-STD-810G 514.6C-1 (with SSD) |
| | 净重/毛重 | 3.33 kg/3.7 kg | 3.2 kg/3.5 kg |
| | 安规/EMC | CE/FCC | CE/FCC |
| SO | 支持操作系统 | Windows 10 / Windows 11 IoT Enterprise/ Linux | Windows 10 / Windows 11 IoT Enterprise/ Linux |

GPOE-XM81-8P



规格

- Interface: 8 x PCI Express® x1
- Ethernet: 8 x Intel® I225-V controller
- PoE Capability
- IEEE 802.3at with 30W / 52V per port (Total power 60W)
- Operating Temperature: 0°C ~ 60°C
- Operating Humidity: 5% ~ 95%, non-condensing
- CE/FCC compliant

TXIOB-XM81-A



规格

- 1 x Full-Size Mini PCIe (PCIe Gen3 x1 & USB2.0)
- 1 x M.2 A Key 2230 (PCIe Gen3 x1 & USB2.0)
- 1 x M.2 B Key (M.2_B1) 3042/52/80 (PCIe Gen3n x1 & USB3.2)
- 1 x M.2 B Key (M.2_B2) 3042/52/80 (PCIe Gen3 x2)
- 3 x On-board SIM card socket (hinge type) for M.2 B key & Mini PCIe
- Operating Temperature: 0°C ~ 60°C
- Operating Humidity: 5% ~ 95%, non-condensing
- Dimensions (LxW): 131.22 mm x 170.94 mm
- CE/FCC compliant

SF-TANK-XM81

规格

- Expansion fan module
- Material: Heavy duty metal
- Color: Black
- Fan Dimensions (mm): 80 x 80 x 15
- Bearing Type: Two ball bearing
- Fan Speed (RPM): 3800
- Noise Level (dBA): 40
- Air Flow (CFM): 35.77
- Life Expectancy (hrs): 6500



扩展机箱助力灵活扩展






高性能嵌入式工控机

通过 PCIe/PCI 插槽灵活扩展

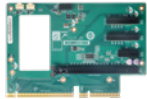



iEi 威强电采用最新散热技术设计 TANK-XM811, 并在提供优化且可靠的边缘运算处理能力。



| 机箱型号 | TXC-XM81-3S | | TXC-XM81-4S | | |
|---------------------|---|---|--|---|---|
| 背板型号 | TXCBP-XM81-2A | TXCBP-XM81-2B | TXCBP-XM81-4A | TXCBP-XM81-4B | TXCBP-XM81-4C |
| |  |  |  |  |  |
| Slot 1 | PCIe x16 | PCIe x16 (PCIe x8 Signal) | PCIe x16 | PCIe x16 (PCIe x8 Signal) | PCIe x16 |
| Slot 2 | N/A | N/A | PCIe x1 | PCIe x4 | PCIe x4 |
| Slot 3 | PCIe x4 | PCIe x16 (PCIe x8 Signal) | PCIe x4 | PCIe x16 (PCIe x8 Signal) | PCI |
| Slot 4 | N/A | N/A | PCIe x4 | PCIe x4 | PCI |
| 系统风扇 (机箱端) | 1 x 5cm (RS5015B12VH, 6000rpm, 35db) 1 x 5cm (Optional) | | 1 x 8cm (FD1280, 3800rpm, 40db) | | |
| 系统风扇 (背板端) | 1 x 4-pin (1x4) | 2 x 4-pin (1x4) | 2 x 4-pin (1x4) | 2 x 4-pin (1x4) | 1 x 4-pin (1x4) |
| 电源接口 (背板端) | N/A | N/A | 1 x 8-pin (2x4) | 1 x 8-pin (2x4) | N/A |
| 最大扩展卡长度 (mm) | 223.18 | | 224.40 | | |
| 附加电源板 | N/A | | IDD-X1228150 (adds a terminal block on rear I/O) | | |
| 尺寸 (W x H x D) (mm) | 230.6 x 69.16 x 255 | | 230.6 x 100 x 255 | | |



| 机箱型号 | TXC-XM81-G1 | TXC-XM81-G2 |
|------------------------|---|---|
| 背板型号 | TXCBP-XM81-4A | TXCBP-XM81-G2 |
| |  |  |
| Slot 1 | PCIe x16 | PCIe x16 (PCIe x8 Signal) |
| Slot 2 | PCIe x1 | N/A |
| Slot 3 | PCIe x4 | PCIe x16 (PCIe x8 Signal) |
| Slot 4 | PCIe x4 | N/A |
| Slot 5 | N/A | PCIe x4 |
| Slot 6 | N/A | PCIe x4 |
| 系统风扇 (机箱端) | 1 x 8cm (FD1280, 3800rpm, 40db) | |
| 系统风扇 (背板端) | 2 x 4-pin (1x4) | 2 x 4-pin (1x4) |
| 电源接口 (背板端) | 1 x 8-pin (2x4) | 1 x 8-pin (2x4) |
| 最大扩展卡长度 (mm) | 339.8 | |
| 附加电源板 | IDD-X1228150 (adds a terminal block on rear I/O) | |
| 尺寸 (W x H x D) (mm) | 230.6 x 166.3 x 370.4 | 230.6 x 207.1 x 370.4 |
| 带主机尺寸 (W x H x D) (mm) | 230.6 x 168.7 x 370.4 | 230.6 x 209.86 x 370.4 |

高性能嵌入式工控机



| 型号 | | TANK-871-Q170 | TANK-870-Q170 |
|--------|----------------|--|--|
| 机箱 | 颜色 | Black C + Silver | Black C + Silver |
| | 尺寸(WxDxH) (mm) | 82.2 x 255.2 x 204 | 2-slot: 121.5 x 255.2 x 205 4-slot: 154.8 x 255.2 x 205 |
| | 系统风扇 | Fanless | Fanless |
| | 机箱材质 | Extruded aluminum alloys | Extruded aluminum alloys |
| 主板 | CPU | 7th Gen Intel® Core™ CPU & Intel® Core™ i7-6700TE 2.4 GHz (up to 3.4 GHz, quad-core, TDP 35) Intel® Core™ i5-6500TE 2.3 GHz (up to 3.3 GHz, quad-core, TDP 35) | 7th Gen Intel® Core™ CPU & Intel® Core™ i7-6700TE 2.4 GHz (up to 3.4 GHz, quad-core, TDP 35) Intel® Core™ i5-6500TE 2.3 GHz (up to 3.3 GHz, quad-core, TDP 35) |
| | 芯片组 | Intel® Q170 | Intel® Q170 |
| | 系统内存 | 2 x SO-DIMM DDR4 2133 (4GB pre-installed) (up to 32GB) | 2 x SO-DIMM DDR4 2133 (4GB pre-installed) (up to 32GB) |
| iRIS | iRIS 方案 | 1 x iRIS-2400 (optional) | 1 x iRIS-2400 (optional) |
| 存储 | 硬盘 | 2 x 2.5" SATA 6Gb/s HDD/SSD bay (RAID 0/1 support) | 2 x 2.5" SATA 6Gb/s HDD/SSD bay (RAID 0/1 support) |
| | USB | 4 x USB 3.2 Gen 1 4 x USB 2.0 | 4 x USB 3.2 Gen 1 4 x USB 2.0 |
| I/O 接口 | 网络 | 2 x RJ-45: LAN1: GbE by Intel® I219LM LAN2 (iRIS): GbE by Intel® I210 | 2 x RJ-45: LAN1: GbE by Intel® I219LM LAN2 (iRIS): GbE by Intel® I210 |
| | COM 接口 | 2 x RS-232/422/485 with AFC (DB-9) 4 x RS-232 (2 x RJ-45, 2 x DB-9 with 2.5kV isolation) | 2 x RS-232/422/485 with AFC (DB-9) 4 x RS-232 (2 x RJ-45, 2 x DB-9 with 2.5kV isolation) |
| | 数字 I/O | 8-bit Digital I/O (4-in/ 4-out) | 8-bit Digital I/O (4-in/ 4-out) |
| | 显示 | 1 x VGA (up to 1920 x 1200@60Hz) 1 x HDMI/DP (up to 3840x2160@30Hz/4096x2304@60Hz) 1 x iDP (optional) | 1 x VGA (up to 1920 x 1200@60Hz) 1 x HDMI/DP (up to 3840x2160@30Hz/4096x2304@60Hz) 1 x iDP (optional) |
| | 音频 | 1 x Line-out, 1 x Mic-in | 1 x Line-out, 1 x Mic-in |
| | 无线 | 1 x 802.11 a/b/g/n/ac (optional) | 1 x 802.11 a/b/g/n/ac (optional) |
| | TPM | 1 x TPM 2.0 (2 x 10 pin) (optional) | 1 x TPM 2.0 (2 x 10 pin) (optional) |
| | PCIe Mini | 1 x Half-size (PCIe/ USB 2.0) 1 x Full-size (PCIe/ USB 2.0/ SATA) | 1 x Half-size (PCIe/ USB 2.0) 1 x Full-size (PCIe/ USB 2.0/ SATA) |
| 扩展 | M.2 | N/A | N/A |
| | 背板 | N/A | 2-slot model: 1 x PCIe x16, 1 x PCI 2-slot model: 2 x PCIe x8 4-slot model: 2 x PCIe x8, 2 x PCI, 1 x Full-size PCIe Mini (PCIe/USB 2.0) |
| 电源 | 电源输入 | DC Jack: 9 ~ 36V DC Terminal Block: 9 ~ 36V DC | DC Jack: 9 ~ 36V DC Terminal Block: 9 ~ 36V DC |
| | 功耗 | 19V@3.68 A (Intel® Core™ i7-6700TE with 8 GB memory) | 19V@3.68 A (Intel® Core™ i7-6700TE with 8 GB memory) |
| | 内部功耗 | 5V@3A or 12V@3A | 5V@3A or 12V@3A |
| 可靠性 | 安装方式 | Wall mount | Wall mount |
| | 工作温度 | i7-6700TE: -20°C ~ 45°C with air flow (SSD), 10% ~ 95% non-condensing i5-6500TE: -20°C ~ 60°C with air flow (SSD), 10% ~ 95% non-condensing | i7-6700TE: -20°C ~ 45°C with air flow (SSD), 10% ~ 95% non-condensing i5-6500TE: -20°C ~ 60°C with air flow (SSD), 10% ~ 95% non-condensing |
| | 冲击 | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD) | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD) |
| | 震动 | MIL-STD-810G 514.6 C-1 (SSD) | MIL-STD-810G 514.6 C-1 (SSD) |
| | 净重/毛重 | 3.5 kg/4.5 kg | 2-slot: 4.2 kg/6.3 kg 4-slot: 4.5 kg/6.5 kg |
| 安规/EMC | CE/FCC/KC | CE/FCC/KC | |
| OS | 支持操作系统 | Microsoft® Windows® 8 Embedded, Microsoft® Windows® Embedded Standard 7 E, Microsoft® Windows® 10 IoT Enterprise | Microsoft® Windows® 8 Embedded, Microsoft® Windows® Embedded Standard 7 E, Microsoft® Windows® 10 IoT Enterprise |

高性能嵌入式工控机



NEW

| 型号 | TANK-870e-H110 | TANK-630-EHL | |
|--------|-----------------|---|---|
| 机箱 | 颜色 | Dark silver purple + Silver | Black C |
| | 尺寸 (WxDxH) (mm) | 132.6 x 255.2 x 190 | 184 x 200.6 x 53 |
| | 系统风扇 | Fanless | Fanless |
| | 机箱材质 | Extruded aluminum alloys | Extruded aluminum alloy |
| 主板 | CPU | 7th Gen Intel® Core™ CPU & Intel® Core™ i7-6700TE 2.4 GHz (up to 3.4 GHz, quad-core, TDP 35) Intel® Core™ i5-6500TE 2.3 GHz (up to 3.3 GHz, quad-core, TDP 35) | Intel® Celeron® J6412 2.0 GHz (up to 2.6GHz, quad-core, TDP 10W) |
| | 芯片组 | Intel® H110 | SoC |
| | 系统内存 | 2 x SO-DIMM DDR4 2666(4GB pre-installed)(up to 32GB) | 2 x DDR4 3200MHz SO-DIMM (8GB pre-installed) (up to 32GB) |
| 存储 | 硬盘 | 2 x 2.5" SATA 6Gb/s HDD/SSD bay | 1 x 2.5" SATA 6Gb/s HDD/SSD bay |
| I/O 接口 | USB | 4 x USB 3.2 Gen1 | 2 x USB 3.2 Gen2 4 x USB 2.0 |
| | 网络 | 2 x RJ-45: 2 x GbE by RTL8119I | 3 x 2.5 GbE by Intel® I225-V/I226-V controller |
| | COM 接口 | 2 x RS-232/422/485 with AFC (DB-9 with 2.5kV isolation) | 2 x RS-232/422/485 with AFC (DB9) 6 x RS-232 (DB9) |
| | 显示 | 1 x VGA (up to 1920 x 1200@60Hz) 1 x HDMI (up to 3840 x 2160@30Hz) | 2 x HDMI 1.4b (up to 4k@30Hz) |
| | 音频 | 1 x Line-out, 1 x Mic-in | 1 x Line-out, 1 x Mic-in |
| | 无线 | 1 x 802.11a/b/g/n/ac (optional) | 1 x 802.11a/b/g/n/ac (M.2 A Key optional) |
| | TPM | N/A | 1 x TPM (2 x10 pin) Intel PTT |
| | 其他 | N/A | 1 x Power Button with LED, 1 x HDD LED, 1 x AT/ATX Switch, 1 x Reset Button |
| 扩展 | PCIe Mini | 1 x Full-size (PCIe/ USB 2.0) 1 x Full-size (PCIe/ USB 2.0/ SATA) | N/A |
| | 背板 | 3A: 1 x PCIe x16, 2 x PCI 3B: 1 x PCIe x16, 1 x PCIe x4, 1 x PCI 3C: 3 x PCI | N/A |
| | M.2 | N/A | 1 x 2230 A-key (PCIe Gen3 x1/USB 2.0) 1 x 2042/52/80 B-key (SATA/USB 2.0) 1 x 2280 M-key (PCIe Gen3 x2) |
| 电源 | 电源输入 | DC Jack: 9 ~ 36V DC Terminal Block: 9 ~ 36V DC | DC Jack: 12 ~ 28V DC Terminal Block: 12 ~ 28V DC |
| | 功耗 | 19V@3.44A (Intel® Core™ i7-6700TE with 8GB memory) | +12V @ 3.36A (Intel® Celeron® J6412 with 8GB memory) |
| 可靠性 | 安装方式 | Wall mount & DIN Rail | Wall Mount, VESA 100 |
| | 工作温度 | -20°C ~ 50°C with air flow (SSD), 10% ~ 95% non-condensing | -10°C ~ 50°C with 0.7M/S air flow (M.2), 10% ~ 95%, non-condensing |
| | 存储温度 | 40°C ~ 85°C with air flow (SSD), 5% ~ 90% non-condensing | -20°C ~ 70°C, 10% ~ 90%, non-condensing |
| | 冲击 | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD) | |
| | 震动 | MIL-STD-810G 514.6C-1 (SSD) | 10-500 Hz, 1.04 Grms, random, 1 hr/axis (SSD) |
| | 净重/毛重 | 4.2 kg / 6.3 kg | 2.04 kg / 2.29 kg |
| | 安规/EMC | CE/FCC/KC | CE, FCC, UKCA |
| OS | 支持操作系统 | Microsoft® Windows® 8 Embedded, Microsoft® Windows® Embedded Standard 7 E, Microsoft® Windows® 10 IoT Enterprise | Microsoft® Windows® 10/11, Linux |

DIN 导轨式工控机

NEW



| 型号 | DRPC-242-ADL-P-CCS-R10 | DRPC-242-ADL-P-i3CS-R10 DRPC-242-ADL-P-Ri3ECS-R10 | DRPC-242-ADL-P-i5CS-R10 DRPC-242-ADL-P-Ri5ECS-R10 | DRPC-242-ADL-P-i7CS-R10 DRPC-242-ADL-P-Ri7ECS-R10 | |
|--------|------------------------|---|--|---|---|
| 机箱 | 尺寸 | 81 mm x 150 mm x 190 mm | | | |
| | 系统风扇 | Fanless (Fan optional) | | | |
| | 机箱材质 | Extruded Aluminum alloys | | | |
| 主板 | CPU | Intel® Celeron® 7305 (5-core, 15W TDP) | Intel® Core™ i3-1220P (up to 4.4GHz, 10-core, 28W TDP) Intel® Core™ i3-1320PE (up to 4.5GHz, 8-core, 28W TDP) | Intel® Core™ i5-1240P (up to 4.4GHz, 12-core, 28W TDP) Intel® Core™ i5-1340PE (up to 4.5GHz, 12-core, 28W TDP) | Intel® Core™ i7-1260P (up to 4.7GHz, 12-core, 28W TDP) Intel® Core™ i7-1370PE (up to 4.8GHz, 14-core, 28W TDP) |
| | 芯片组 | SoC | | | |
| | 系统内存 | 2 x SO-DIMM slot DDR4 3200 MHz (8 GB pre-installed) (up to 64GB) | | | |
| 存储 | 硬盘 | 1 x 2.5" SATA 6Gb/s SSD bay | | | |
| I/O 接口 | USB | 2 x USB 3.2 Gen2 4 x USB 2.0 | | | |
| | 网络 | 1 x 2.5 GbE by Intel® I225LM/I226LM controller support iAMT 2 x 2.5 GbE by Intel® I225-V/I226-V controller | | | |
| | COM | 2 x RS-232 (DB9 with 2.5KV isolation) 2 x RS-232 (optional) 2 x RS-422/485 with AFC (DB9 with 2.5KV isolation) | | | |
| | DIO | 1 x 12-bit (6-in, 6-out)(optional) | | | |
| | 显示 | 1 x Lockable HDMI™ 1.4b (up to 4096 x 2160@30Hz) 1 x DP 1.4b (up to 4096 x 2160 @60Hz) | | | |
| | TPM | Support Intel PTT | | | |
| | 其他 | 1 x Power button, 1 x 2-pin terminal block for remote power button, 1 x Reset button, 1 x AT/ATX switch, 1 x Power LED (green), 1 x HDD LED (yellow), 4-pin external system fan connector | | | |
| 扩展 | M.2 | 1 x 2230 A-key (PCIe Gen3 x1/USB 2.0) Support Vpro 1 x 3042/52 B-key (PCIe Gen3 x1/USB 3.2 Gen2/USB 2.0) 1 x On-board SIM card socket (hinge type) for M.2 B key 1 x 2280 M-key (PCIe Gen4 x4) | | | |
| | 背板 | 1 x PCIe Gen3 x4 (optional) | | | |
| 电源 | 电源输入 | 3-pin terminal block: 12 ~ 28 VDC | | | |
| | Internal PWR | 4-pin 60W @12V | | | |
| | 功耗 | 12V@4.46A (Intel® Core™ i7-1260P with DDR4 8GB memory) | | | |
| 可靠性 | 安装方式 | DIN-Rail, Wall Mount | | | |
| | 工作温度 | -20°C ~ 60°C with air flow (SSD) | | | |
| | 存储温度 | -40°C ~ 85°C | | | |
| | 湿度 | 10% ~ 95%, non-condensing | | | |
| | 冲击 | Half-sine wave shock 5G, 11ms, 3 shocks per axis (SSD) | | | |
| | 震动 | 10-500 Hz, 1.04 Grms, random, 1 hr/axis (SSD) | | | |
| | 净重/毛重 | 1.88 kg / 2.66 kg | | | |
| | 安规/EMC | CE, FCC, UKCA | | | |
| OS | 支持操作系统 | Microsoft® Windows 10 / 11, Linux | | | |

DIN 导轨式工控机



NEW

| 型号 | | DRPC-124-EHL | DRPC-140-EHL |
|--------|---|--|--|
| 机箱 | 颜色 | Black | Black |
| | 尺寸 (WxDxH) (mm) | 159 x 132.5 x 35 | 58.75 x 130 x 174 |
| | 系统风扇 | Fanless | Fanless |
| | 机箱材质 | Extruded aluminum alloy | Extruded aluminum alloy |
| 主板 | CPU | Intel® Celeron® J6412 2.0 GHz (up to 2.6 GHz, quad-core, TDP 10W) | Intel® Celeron® J6412 2.0 GHz (up to 2.6 GHz, quad-core, TDP 10W) |
| | 芯片组 | SoC | SoC |
| | 系统内存 | LPDDR4X onboard 8GB (max. 16GB)* | 1 x SO-DIMM DDR4 3200 (8GB pre-installed) (up to 32GB) |
| 存储 | 硬盘 | 1 x 2242 B-key (PCIe Gen3 x2) 1 x 2242 B-key (SATA) 1 x 2280 M-key (PCIe Gen3 x2) | 1 x 2.5" SATA 6Gb/s HDD/SSD bay |
| | eMMC | eMMC 5.1 64GB/128GB (optional) | 1 x eMMC 5.1 (optional)* |
| I/O 接口 | USB | 2 x USB 3.2 Gen2 2 x USB 2.0 | 4 x USB 3.2 Gen2 |
| | 网络 | 1 x RJ-45 PCIe GbE by I210 controller 3 x RJ-45 PCIe 2.5 GbE by I225-V/I226-V controller | 2 x 2.5 GbE by Intel® I225-V/I226-V controller |
| | COM Port | 1 x RS-232/422/485 (DB9) (optional) | 2 x HDMI™ (up to 4K@30Hz) |
| | 数字 I/O | - | 4 x RS-232/422/485 (DB-9) |
| | CAN-bus | - | 8-bit Digital I/O (4-in/ 4-out) |
| | 显示 | 1 x HDMI 1.4B | 2 x CAN-bus (DB9 with 2.5kV isolation) |
| | 无线 | - | 1 x 802.11a/b/g/n/ac (optional) |
| | TPM | Intel PTT | 1 x TPM (2 x10 pin) Intel PTT |
| 其他 | 1 x Power Button (with LED), 1 x Clear CMOS | 1 x Power Button, 1 x Reset Button, 1 x AT/ATX Switch, 1 x LED for Power (Green), 1 x LED for HDD (Yellow) | |
| 扩展 | M.2 | 1 x 2242 B-key (PCIe Gen3 x2) 1 x 2242 B-key (SATA) 1 x 2280 M-key (PCIe Gen3 x2) | 1 x M.2 A Key 2230 (PCIe Gen3 x1/USB 2.0) 1 x M.2 M Key 2280 (PCIe Gen3 x2) |
| 电源 | 电源输入 | 2-pin terminal block: 12-28 VDC | 3-pin terminal block: 12-24V DC |
| | 功耗 | 12V@3.05 (Intel® Celeron® J6412 with 8GB DDR4 Memory) | 12V @ 3.36A (Intel® Celeron® J6412 with 8GB memory) |
| | Remote PWR | - | Terminal Block: 2-Pin |
| 可靠性 | 安装方式 | DIN-Rail, Wall Mount | DIN-Rail, Wall Mount |
| | 工作温度 | -10°C ~ 50°C with air flow (M.2), 10% ~ 95%, non-condensing | -20°C ~ 60°C with 0.7M/S air flow (M.2), 10% ~ 95%, non-condensing |
| | 存储温度 | -20°C ~ 70°C with air flow (M.2), 10% ~ 90%, non-condensing | -20°C ~ 70°C, 10% ~ 90%, non-condensing |
| | 冲击 | Half-sine wave shock 5G, 11ms, 100 shocks per axis (M.2) | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD) |
| | 震动 | MIL-STD-810G 514.6C-1 (M.2) | MIL-STD-810G 514.6C-1 (SSD) |
| | 净重/毛重 | 0.78 kg /1.2 kg | 1.39 kg /1.68 kg |
| | 安规/EMC | CE, FCC, UKCA | CE/ FCC/ UKCA |
| 看门狗 | Programmable 1 ~ 255 sec/min | Programmable 1~255 sec/min | |
| OS | 支持操作系统 | Microsoft® Windows® 10/11, Linux | Microsoft® Windows® 10/11, Linux |

* Based on project discussion, it might have MOQ criteria. Please contact with Sales Account.

DIN 导轨式工控机



| 型号 | | DRPC-240-TGL-U | DRPC-130-AL |
|--------|----------------|--|---|
| 机箱 | 颜色 | Black | Black |
| | 尺寸 (WxDxH)(mm) | 81 x 150 x 190 | 58.75 x 130 x 174 |
| | 系统风扇 | Fanless | Fanless |
| | 机箱材质 | Extruded aluminum alloy | Extruded aluminum alloy |
| 主板 | CPU | Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, quad-core, TDP 15W) Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad-core, TDP 15W) Intel® Celeron® 6305E 1.8 GHz (dual-core, TDP 15W) | Intel® Atom® x5-E3930 1.3 GHz (up to 1.8 GHz, dual-core, TDP 6.5W) |
| | 芯片组 | SoC | SoC |
| | 系统内存 | 2 x SO-DIMM DDR4 3200 MHz (8 GB pre-installed) (up to 64GB) | 1 x SO-DIMM DDR3L 1333/1600 (up to 8GB) |
| 存储 | 硬盘 | 1 x 2.5" SATA 6Gb/s HDD/SSD bay | 1 x 2.5" SATA 6Gb/s HDD/SSD bay 1 x eMMC 5.0 (optional, up to 32GB)* |
| I/O 接口 | USB | 2 x USB 3.2 Gen 2 2 x USB 2.0 | 4 x USB 3.2 Gen 1 |
| | 网络 | 1 x 2.5 GbE by Intel® I225LM/I226LM controller 3 x 2.5 GbE by Intel® I225-V/I226-V controller | 2 x GbE RJ-45 by Intel® I211 |
| | COM Port | 2 x RS-422/485 with AFC (DB-9, with 2.5kV isolation) 2 x RS-232 (DB-9, with 2.5kV isolation) | 4 x RS-232/422/485 with AFC (DB9) |
| | 数字 I/O | 12-bit Digital I/O (6-in/ 6-out)(optional) | 8-bit Digital I/O (4-in/ 4-out) |
| | CAN-bus | N/A | 1 x Port supporting two CAN-bus (DB9 with 2.5kV isolation) |
| | 显示 | 1 x HDMI (up to 3840 x 2160@30Hz) 1 x DP++ (up to 4096 x 2304@60Hz) | 2 x HDMI (up to 3840 x 2160@30Hz) |
| | 无线 | 1 x 802.11a/b/g/n/ac (optional) | 1 x 802.11a/b/g/n/ac (optional) |
| | TPM | Support Intel PTT | 1 x TPM 2.0 (2x10 pin) (optional) |
| | 其他 | 1 x Power button, 1 x Reset button, 1 x AT/ATX switch, 1 x Power LED (green), 1 x HDD LED (yellow), 4-pin external system fan connector | 1 x Power button, 1 x Reset button, 1 x AT/ATX switch, 1 x Power LED (green), 1 x HDD LED (yellow) |
| 扩展 | PCIe Mini | N/A | 1 x Half-size (PCIe/USB 2.0) 1 x Full-size (PCIe/USB 2.0/SATA) |
| | M.2 | 1 x 2230 A-key (PCIe Gen3 x1/USB 2.0) 1 x 3042/52/80 B-key (PCIe Gen3 x1/USB 3.2 Gen1/USB 2.0) 1 x On-board SIM card socket (hinge type) for M.2 B key | N/A |
| | 背板 | 1 x PCIe Gen 3 x4 (optional) | N/A |
| 电源 | 电源输入 | Terminal block: 12 ~ 28V DC | Terminal block: 12 ~ 24V DC |
| | 功耗 | 12V @ 6.98A (Intel® Core™ i5-1145G7E with 8GB memory) | 12V @ 2.88 A (Intel® Atom® x5-E3930 with 4GB memory) |
| | Remote PWR | 2-pin Terminal block | Terminal block: PSON |
| 可靠性 | 安装方式 | DIN-Rail, Wall Mount | DIN-Rail |
| | 工作温度 | -20°C ~ 60°C with air flow (SSD), 10% ~ 95% non-condensing | -20°C ~ 60°C with air flow (SSD), 10% ~ 95% non-condensing |
| | 存储温度 | -40°C ~ 85°C, 10% ~ 95% non-condensing | -40°C ~ 85°C with air flow (SSD), 10% ~ 95% non-condensing |
| | 冲击 | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD) | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD) |
| | 震动 | MIL-STD-810G 514.6C-1 (SSD) | MIL-STD-810G 514.6C-1 (SSD) |
| | 净重/毛重 | 2.15 / 2.5 kg | 1.4 kg / 2.5 kg |
| | 安规/EMC | CE, FCC, UKCA | CE/ FCC |
| | 看门狗 | Programmable 1 ~ 255 sec/min | Programmable 1 ~ 255 sec/min |
| OS | 支持操作系统 | Microsoft Windows 10 / Windows 11, Linux | Microsoft® Windows 10, Linux |

* Based on project discussion, it might have MOQ criteria. Please contact with Sales Account.

DIN 导轨式工控机



| 型号 | | DRPC-W-TGL-U | DRPC-W-JL |
|--------|----------------|--|--|
| 机箱 | 颜色 | Black | |
| | 尺寸 (WxDxH)(mm) | 176 x 116 x 67.8 | 176 x 116 x 60.8 |
| | 系统风扇 | Fanless | |
| | 机箱材质 | Extruded aluminum alloys | |
| 主板 | CPU | Intel® Core™ i7-1185G7E 1.8 GHz (up to 4.4 GHz, quad-core, TDP 15W) Intel® Core™ i5-1145G7E 1.5 GHz (up to 4.1 GHz, quad-core, TDP 15W) Intel® Core™ i3-1115G4E 2.2 GHz (up to 3.9 GHz, dual-core, TDP 15W) Intel® Celeron® 6305/6305E 1.8 GHz (dual-core, TDP 15W) | Intel® Celeron® N5105 2.0 GHz (up to 2.9 GHz, quad-core, TDP 10W) |
| | 芯片组 | SoC | |
| | 系统内存 | 1 x DDR4 3200 MHz SO-DIMM (pre-installed 8GB) (up to 32GB) | 1 x DDR4 2933 MHz SO-DIMM (pre-installed 8GB) (up to 16GB) |
| 存储 | 硬盘 | 1 x 2.5" SATA 6Gb/s HDD bay | |
| | eMMC | N/A | N/A |
| | microSD | N/A | N/A |
| I/O 接口 | USB | 4 x USB 3.2 | 2 x USB 3.2 |
| | 网络 | LAN1: Intel® I225V 2.5GbE (I225-LM for i5/i7 SKU) LAN2/3: Intel® i225-v/i226-v 2.5GbE | 3 x 2.5GbE |
| | COM Port | 2 x RS-232/422/485 (optional) | 2 x RS-232/422/485 (optional) |
| | 数字 I/O | 1 x 12-bit digital I/O (optional) | |
| | 显示 | 1 x DP, 2 x HDMI | 1 x DP, 1 x HDMI |
| | 无线 | Optional | |
| | TPM | Intel PTT | |
| | 其他 | 1 x Power button, 1 x Reset button, 1 x Power LED, 1 x HDD LED, 1 x System fan connector, 1 x AT/ATX Switch | 1 x Power button, 1 x Reset button, 1 x Power LED, 1 x HDD LED, 1 x System fan connector |
| 扩展 | PCIe Mini | N/A | |
| | M.2 | 1 x 2230 M.2 A Key (PCIe Gen3 x1 & USB 2.0) 1 x 3042/3052 M.2 B Key (PCIe Gen3 x2) 1 x On-board SIM card socket (push-push type) for M.2 B key | 1 x 2230 M.2 A Key (PCIe Gen3 x1 & USB 2.0) 1 x 2242/2280 M.2 B Key (PCIe Gen3 x2) 1 x On-board SIM card socket (hinge type) for M.2 B key |
| 电源 | 电源输入 | 12V DC | |
| | 功耗 | 12V@4.1A (Intel® i5-1145G7E with 8GB DDR4 memory) | 12V@2.45A (Intel® N5105 with 16GB DDR4 memory) |
| 可靠性 | 安装方式 | DIN-Rail | |
| | 工作温度 | -20°C ~ 60°C with airflow, 10% ~ 95% non-condensing | |
| | 存储温度 | -30°C ~ 85°C, 10% ~ 95% non-condensing | |
| | 冲击 | Half-sine wave shock 5G, 11ms, 100 shocks per axis | Half-sine wave shock 5G, 11ms, 100 shocks per axis |
| | 震动 | 10-500 Hz, 1.04 Grms, random, 1 hr/axis | 10-500 Hz, 1.04 Grms, random, 1 hr/axis |
| | 净重/毛重 | 0.98 kg / 1.2 kg | 0.91 kg / 1.6 kg |
| | 安规/EMC | CE/ FCC/UKCA | |
| | 看门狗 | Programmable 1 ~ 255 sec/min | |
| OS | 支持操作系统 | Microsoft® Windows 10/11, Linux | |

Din 导轨计算机 / 紧凑型计算机



NEW



| 型号 | | DRPC-W-EHL1 | DRPC-W-EHL | IDS-330-ADL-P |
|-------|-----------------|--|---|--|
| 机箱 | 颜色 | Black | Black | Black |
| | 尺寸 (WxDxH) (mm) | 176 x 116 x 60.8 | 176 x 116 x 60.8 | 176 x 115.6 x 55.2 |
| | 系统风扇 | Fanless | Fanless | Fanless (Fan optional) |
| | 机箱材质 | Extruded aluminum alloys | Extruded aluminum alloys | ABS Plastic+Aluminum |
| 主板 | CPU | Onboard Intel® Atom® x6000 series / Pentium® / Celeron® processor (Elkhart Lake platform) Intel® Celeron® x6211E on-board SoC (up to 3.0 GHz, dual-core, 1.5M Cache, TDP=6W) Intel® Celeron® x6413E on-board SoC (up to 3.0 GHz, quad-core, 1.5M Cache, TDP=9W) Intel® Celeron® x6425E on-board SoC (up to 3.0 GHz, quad-core, 1.5M Cache, TDP=12W) | Intel® Celeron® J6412 2.0 GHz (up to 2.6 GHz, quad-core, TDP 10W) | Intel® Core™ i5-1235U (up to 4.4GHz, 10-core, 15W TDP) Intel® Core™ i7-1255U (up to 4.7GHz, 10-core, 15W TDP) |
| | 芯片组 | SoC | SoC | SoC |
| | 内存 | Onboard LPDDR4x 3200MHz 8GB (up to 16GB)* | Onboard LPDDR4x 3200MHz 8GB (up to 16GB)* | LPDDR4x onboard 8GB (max 16GB) |
| 存储 | 硬盘托架 | 1 x 2.5" SATA 6Gb/s HDD bay | 1 x 2.5" SATA 6Gb/s HDD bay | 1 x M.2 B key 3042/52/80 with SIM slot (PCIe x1 / USB 2.0 / SATA) 1 x 2280 M-key (PCIe Gen4 x4) |
| IO 接口 | USB | 2 x USB 3.2 Gen2 | 2 x USB 3.2 | 4 x USB 3.2 Gen 2 |
| | 网络 | 2 x PCIe 2.5GbE with Intel i225-IT | 2 x 2.5GbE | 2 x 2.5GbE by Intel® I225-V/I226-V (colay I225LM) |
| | 显示 | 1 x HDMI™ 1.4 (up to 4096 x 2160@30Hz) 1 x DP 1.2 (up to 4096 x 2160@60Hz) | 1 x HDMI 1.4 (up to 4096 x 2160@30Hz) 1 x DP 1.4 (up to 4096 x 2160 @ 60Hz) | 4 x HDMI 1.4b with CEC (up to 4096 x 2160@30Hz) |
| | 其他 | 1 x Power button, 1 x Reset button, 1 x Power LED, 1 x HDD LED, 1 x System fan connector | 1 x Power button, 1 x Reset button, 1 x Power LED, 1 x HDD LED, 1 x System fan connector | 1 x Power Button, 1 x Reset Button, 1 x AT/ATX switch, 1 x Power LED (green), 1 x HDD LED (yellow) |
| 扩展 | PCIe Mini | N/A | N/A | N/A |
| | M.2 | 1 x 2230 M.2 A Key (PCIe Gen3 x2 & USB 2.0) 1 x 3042 M.2 B Key (PCIe Gen3 x2 & USB 2.0) | 1 x 2230 M.2 A Key (PCIe Gen3 x1 & USB 2.0) 1 x 3042 M.2 B Key (PCIe Gen3 x2) 1 x On-board SIM card socket (push-push type) for M.2 B key | 1 x 2230 E-key (PCIex1/USB2.0) Support Vpro 1 x M.2 B key 3042/52/80 (PCIex1/USB2.0/SATA) 1 x On-board SIM card socket (hinge type) for M.2 B key 1 x 2280 M-key (PCIe Gen4 x4) |
| 电源 | 电源输入 | 12V ~ 28V DC input power (AT/ATX mode) | 12V DC | DC Jack: 12 VDC |
| | 功耗 | 28V@1.58A (Intel® Celeron® x6211E With 8GB LPDDR4x Memory) | 12V@2.5A (Intel® J6412 With 4GB DDR4 Memory) | 12V@4.25A (Intel® Core™ i7-1255U with 8GB DDR4 memory) |
| 可靠性 | 安装方式 | DIN-Rail | DIN-Rail | Wall mount, VESA 75/100 |
| | 工作温度 | -20°C ~ 70°C with airflow, 10% ~ 95% non-condensing | -20°C ~ 60°C with airflow, 10% ~ 95% non-condensing | -10°C ~ 40°C with air flow, 10% ~ 95%, non-condensing |
| | 存储温度 | -30°C ~ 85°C, 10% ~ 95% non-condensing | -30°C ~ 85°C, 10% ~ 95% non-condensing | -20°C ~ 60°C with air flow, 10% ~ 90%, non-condensing |
| | 冲击 | Half-sine wave shock 5G, 11ms, 100 shocks per axis | Half-sine wave shock 5G, 11ms, 100 shocks per axis | Half-sine wave shock 5G, 11ms, 100 shocks per axis |
| | 震动 | 10-500 Hz, 1.04 Grms, random, 1 hr/axis | 10-500 Hz, 1.04 Grms, random, 1 hr/axis | 10-500 Hz, 1.04 Grms, random, 1 hr/axis |
| | 净重/毛重 | 0.92 kg / 1.16 kg | 0.92 kg / 1.16 kg | 0.97 kg / 1.74kg |
| | 安规/EMC | CE/FCC | CE/FCC/UKCA | CE/ FCC/ UKCA |
| | 看门狗 | Programmable 1 ~ 255 sec/min | Programmable 1 ~ 255 sec/min | Programmable 1~255 sec/min |
| OS | 支持操作系统 | Microsoft® Windows 10 / Windows 11, Linux | Microsoft® Windows 10 / Windows 11, Linux | Microsoft® Windows® 10/11, Linux |

* Based on project discussion, it might have MOQ criteria. Please contact with Sales Account.

超紧凑型工控机



| 型号 | | uIBX-260-EHL | uIBX-250-BW |
|--------|----------------------------|---|---|
| 机箱 | 颜色 | Black | Black |
| | 尺寸 (WxDxH) (mm) | 137 x 102.8 x 65.8 | 137 x 102.8 x 52 |
| | 系统风扇 | Fanless | Fanless |
| | 机箱材质 | Extruded aluminum alloy | Extruded aluminum alloy |
| 主板 | CPU | Intel® Celeron® J6412 2.0GHz (up to 2.6GHz, quad-core, TDP 10W) | Intel® Celeron® N3160 1.6 GHz (up to 2.24 GHz, quad-core, TDP 6W) |
| | 芯片组 | SoC | SoC |
| | 系统内存 | Onboard LPDDR4x 3200MHz 8GB (up to 16GB) ² | 1 x 204-pin DDR3L SO-DIMM slot (2 GB pre-installed, system max: 8GB) |
| 存储 | 硬盘 | 1 x 2.5" SATA 6Gb/s HDD/SSD bay | 1 x 2.5" SATA 6Gb/s HDD/SSD bay |
| | eMMC | 1 x eMMC (optional) ² | N/A |
| | Micro SD | N/A | N/A |
| I/O 接口 | USB | 4 x USB 3.2 Gen2 2 x USB 2.0 (optional) ¹ | 4 x USB 3.2 Gen 1 |
| | 网络 | 2 x 2.5 GbE by Intel® I225-V/I226-V controller | 2 x GbE RJ-45 by Intel® I210 |
| | COM Port | 1 x RS-232/422/485 (DB9) 1 x RS-232 (optional) | 2 x RS-232/422/485 with AFC (RJ-45) |
| | 数字 I/O | N/A | N/A |
| | 显示 | 1 x HDMI 1.4b (up to 4k@ 30Hz) | 1 x HDMI™ (up to 3840 x 2160@30Hz) 1 x VGA (up to 1920 x 1080@60Hz) |
| | 音频 | N/A | 1 x Line-out, 1 x Line-in |
| | 无线 | 1 x 802.11a/b/g/n/ac (M.2 A Key optional) | 1 x 802.11a/b/g/n/ac (optional) |
| | 其他 | 1 x Power Button (with LED), 1 x Reset Button, 1 x AT/ATX switch, 1 x Clear CMOS Button, 1 x HDD LED | 1 x Power Button, 1 x Reset Button, 1 x AT/ATX Switch, 1 x LED for HDD (Green) |
| 扩展 | PCIe Mini | N/A | 1 x Full-size (PCIe/USB 2.0/SATA) |
| | M.2 | 1 x 2230 A-key (PCIe Gen3 x1/USB 2.0) 1 x 2280 M-key (PCIe Gen3 x2) | N/A |
| 电源 | 电源输入 | DC Jack: 12V DC | DC Jack: 12V DC |
| | 功耗 | 12V@3.6A (Intel® Celeron® J6412 with 8GB DDR4 Memory) | 12V @ 2A (Intel® Celeron® N3160 with 2GB memory) |
| 可靠性 | 安装方式 | Wall Mount, VESA 75 | Wall-mount/ VESA 75 |
| | 工作温度 | -10°C ~ 50°C with air flow (M.2), 10% ~ 95%, non-condensing | -20°C ~ 60°C with air flow (SSD), 10% ~ 95% non-condensing |
| | 存储温度 | -20°C ~ 70°C with air flow (M.2), 10% ~ 90%, non-condensing | -20°C ~ 80°C with air flow (SSD), 10% ~ 90% non-condensing |
| | 冲击 | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD) | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD) |
| | 震动 | 10-500 Hz, 1.04 Grms, random, 1 hr/axis (SSD) | MIL-STD-810G 514.6C-1 (SSD) |
| | 净重/毛重 | 0.97 / 1.74kg | 0.47 kg / 1.4 kg |
| | 安规/EMC | CE/ FCC/ UKCA | CE/ FCC |
| 看门狗 | Programmable 1~255 sec/min | Programmable 1 ~ 255 sec/min | |
| OS | 支持操作系统 | Microsoft® Windows® 10/11, Linux | Microsoft® Windows 8, Microsoft® Embedded Standard 7 E |

¹ USB expansion is applicable only when 2.5-inch hard disk is not installed.

² Based on project discussion, it might have MOQ criteria. Please contact with Sales Account.

工业迷你电脑



| 型号 | | TANGO-3010 | TANGO-7010 |
|--------|----------------------------|--|---|
| 机箱 | 颜色 | Black C & grey (Pantone 430C) | Black C & grey (Pantone 430C) |
| | 尺寸(WxDxH) | 139 x 137 x 39.8 mm | 192.09 x 158 x 64 mm |
| | 系统风扇 | Fanless | Fan |
| | 机箱材质 | ABS Plastic + Aluminum | ABS Plastic + Aluminum |
| 主板 | CPU | Intel® Celeron® J6412 2GHz (up to 2.6GHz, TDP 10W) | Intel® Core™ i9-12900TE 1.1 GHz (up to 4.8 GHz, 16-core, TDP 35W) Intel® Core™ i7-12700TE 1.4 GHz (up to 4.6 GHz, 12-core, TDP 35W) Intel® Core™ i5-12500TE 1.9 GHz (up to 4.3 GHz, 6-core, TDP 35W) Intel® Core™ i3-12100TE 2.1 GHz (up to 4 GHz, quad core, TDP 35W) |
| | 芯片组 | SoC | H610 |
| | 系统内存 | LPDDR4X on board 8GB (up to 16G)* | 2 x SO-DIMM 3200MHz DDR4, 8GB pre-installed (up to 64G) |
| 存储 | SATA | 1 x 2.5" SATA 6Gb/s HDD/SSD bay (support up to 9.5 mm SSD) | 1 x 2.5" SATA 6Gb/s HDD/SSD bay (support 9.5mm SSD) |
| I/O 接口 | 网络 | 3 x 2.5 GbE by Intel® I225-V/I226-V controller | 3 x 2.5GbE by Intel® I225V controller |
| | USB | 2 x USB 3.2 Gen2 2 x USB 2.0 | 2 x USB 3.2 Gen2 2 x USB 3.2 Gen1 |
| | 显示 | 2 x HDMI 1.4b Support CEC (up to 4K@ 30Hz) | 2 x HDMI™ 2.0B Support CEC (up to 4K@ 60Hz) 1 x DP 1.4 (up to 4K@ 60Hz) |
| | COM | 1x RS-232 (DB9) 1x RS-232/422/485 (DB9) | 1 x RS-232 (DB9) 1 x RS-232/422/485 with AFC (DB9) |
| | 无线/蓝牙 | Intel AX210 Wi-Fi 6E & Bluetooth 5.2 module, built-in with 2T2R antenna | Intel AX210 Wi-Fi 6E & Bluetooth 5.2 module, built-in with 2T2R antenna |
| | TPM2.0 | Support Intel PTT | Support Intel PTT |
| 扩展槽 | M.2 | 1 x 2230 A-key (PCIe x1 / USB 2.0) (preinstalled Wi-Fi module) 1 x 2280 M-key (PCIe x4) | 1 x 2230 A-key (PCIe Gen3 x1/USB2.0)(preinstalled Wi-Fi Module) 1 x 2280 M-key (PCIe Gen4 x4) 1 x 2280 M-key (PCIe Gen3 x4) |
| 电源 | 电源输入 | DC jack: 12V DC | DC jack: 12V DC |
| | 功耗 | +12V@2.95A (Intel® Celeron® J6412 with 8GB memory) | 12V@2.95A (Intel® Core™ i7-12700TE with 8GB memory) |
| 可靠性 | 安装方式 | 60.6 x 11.55 (mm) with VESA 75/100 conversion bracket | VESA 75/100 |
| | 工作温度 | 0°C ~ 40°C with air flow (SSD), 10% ~ 95%, non-condensing | 0°C ~ 40°C with air flow (SSD), 10% ~ 95%, non-condensing |
| | 存储温度 | -10°C ~ 60°C with air flow (SSD), 10% ~ 90%, non-condensing | -10°C ~ 60°C with air flow (SSD), 10% ~ 90%, non-condensing |
| | 冲击 | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD) | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD) |
| | 震动 | 10-500 Hz, 1.04 Grms, random, 1 hr/axis (SSD) | 10-500 Hz, 1.04 Grms, random, 1 hr/axis (SSD) |
| | 净重/毛重 | 0.57kg / 1.35kg | 1.29kg / 2.34kg |
| | 安规/ EMC | CE/RED/FCC/UKCA | CE/RED/FCC/UKCA |
| 看门狗 | Programmable 1~255 sec/min | Programmable 1 ~ 255 sec/min | |
| 其他 | 开关 | 1 x Power Button (with LED), 1 x Reset Button | 1 x Power Button (with LED), 1 x Reset Button |
| OS | 支持操作系统 | Microsoft® Windows® 10/11, Linux | Microsoft® Windows® 10/11, Linux |

*Based on project discussion, it might have MOQ criteria. Please contact with Sales Account.

机架式工控机



| 型号 | FLEX-BX210-Q470 | |
|-------------|----------------------|---|
| 系统 | CPU | 10th/11th Generation Intel® Core™ processor (35W TDP) Intel® Core™ i3-10320 3.8 GHz (up to 4.6 GHz, quad-core, 65W TDP) Intel® Core™ i5-10500TE 2.3 GHz (up to 3.7 GHz, 6-core, 35W TDP) Intel® Core™ i7-10700TE 2.0 GHz (up to 4.4 GHz, 8-core, 35W TDP) Intel® Core™ i9-10900TE 1.8 GHz (up to 4.5 GHz, 10-core, 35W TDP) |
| | 芯片组 | Q470/Q470E |
| | 内存 | 2 x 288-pin 2933/2666 MHz dual-channel DDR4 unbuffered DIMM supporting up to 64GB |
| | 物理引擎 | Intel® HD Graphics Gen 9 Engines with Low power 16 execution unit, supports DX2015, OpenGL 5.X and OpenCL2.x, ES 2.0 |
| | 网络 | LAN1: Intel® I225LM/I226LM controller LAN2/3: Intel® I225-V/I226-V controller |
| | 存储 | 4 hot-swappable 2.5" HDD/SSD SATA 6Gb/s bays (support RAID 0/1/5/10), with LED indicators |
| 无线 | 无线 | 802.11ac, 2.4/5 GHz (by M.2 2230 optional) |
| | 蓝牙 | Bluetooth v5.1 (optional) |
| | WWAN and GNSS | M.2 3052 LTE (by M.2 3052 optional) |
| I/O 接口 & 按钮 | I/O 接口 & 按钮 | 1 x DP 1 x HDMI™ 3 x 2.5GbE LAN 6 x USB 3.2 Gen 1 Type-A 2 x RS-232 DB-9 1 x Mic in 1 x Line out 1 x AC inlet 4 x SMA Power button AT/ATX mode switch Reset button |
| | TPM | Intel PTT from CPU |
| 扩展 | 扩展槽 | 2 x PCIe 3.0 x8 2 x PCIe 3.0 x4 1 x M.2 A-Key 2230 (PCIe 3.0 x1 & USB 2.0) 1 x M.2 M-Key 2280 (PCIe 3.0 x4) 1 x M.2 B-Key 3042/3052 (PCIe Gen3 x1 & USB 3.2 Gen1) 1 x On-board SIM card socket (push-push type) for M.2 B key |
| | | 散热方案 |
| 电源 | 电源 | ATX power supply, AC input - 350W power input - Input: 90VAC ~ 264VAC, 50/60Hz - Output (max.): 3.3V@14A, 5V@16A, 12V@29A, -12V@0.3A |
| 看门狗 | | Software programmable 1 ~ 255 sec/min, system reset : |
| 物理结构 | Chassis Construction | Metal |
| | 安装方式 | Wall mount / Rack mount |
| | 颜色 | Black |
| | 尺寸(LxWxH) | 357 x 230 x 88 (mm) |
| | 重量 | 4.1 kg/7.2 kg |
| 环境 | 工作温度 | -10°C ~ 50°C |
| | 存储温度 | -20°C ~ 60°C |
| | 工作湿度 | 5% ~ 95%, non-condensing |
| | 震动 | 5~17Hz, 0.1 double amplitude displacement 17 ~ 640Hz 1.5G acceleration peak to peak |
| | 冲击 | 10G acceleration part to part (11ms) |
| | 安规/EMC | CE/FCC |

视频收发器

4K Low Latency
Pro AV Application



| 型号 | iSDV-200CTR |
|------------|--|
| 描述 | 4K HDR SDVoE IP combo transceiver supports 10G copper & fiber |
| 内存 | 2 x 128M16 DDR3 onboard |
| 视频接口 | HDMI 2.0 supporting all resolutions up to 594MHz 4K60 RGB and 4:4:4 8-bit 4K60 4:2:2 10-bit for broadcast and medical applications 4K60 4:2:0 10-bit and 12-bit HDR |
| I/O 接口 | 1 x 1GbE LAN 1 x 10GbE LAN 1 x 10GbE SFP+ 1 x IR in 1 x IR out 1 x HDMI 2.0 in 1 x HDMI 2.0 out 1 x 3.5mm audio-in jack 1 x 3.5mm audio-out jack 4 x HID 2 x RS-232 6 x LED indicator 1 x Reset button 1 x USB switch |
| 操纵按钮 | 2 x Trigger & Tuning: 1 x Reset button, 1 x USB switch |
| LCD | 1 x Monochrome LCD (65 x 15 mm) |
| 应用模式 | Transmitter / Receiver Extension / Switching / Video Wall / Multi Viewer / KVM supported |
| 尺寸 (WxDxH) | 238 x 166 x 44.5 mm |
| 重量 | 1235g |
| 工作湿度 | 20% ~ 95%, non-condensing |
| 工作温度 | -20°C ~ 50°C w/o air flow -20°C ~ 60°C w/ air flow |
| 电源 | 12VDC In, 3.3A |
| 安规 & EMC | CE, FCC, CCC Certificated |
| 软件 | Free management software (iSDV Network Video Orchestrator) supported |
| 支持操作系统 | Microsoft Windows 10 64-bits Microsoft Windows 11 64-bits Linux Ubuntu 18.04 LTS+ QNAP NAS QTS 5 |

4U 嵌入式工控机



| 型号 | | IOISP-360E-H112 | IOISP-360E-H310 | IOISP-360EW-H420 |
|----------|-----------------|---|---|---|
| 机箱 | 颜色 | B:黑色/W:白色 | B:黑色/W:白色 | 白色 |
| | 尺寸 (WxDxH) (mm) | 435.5 x 431 x 176 | 435.5 x 431 x 176 | 435.5 x 431 x 176 |
| | 系统风扇 | 1 | 1 | 1 |
| | 机箱材质 | 金属 | 金属 | 金属 |
| 主板 | CPU | LAG1151 Intel® 6th/7th generation Core™ i7/i5/i3, Pentium® or Celeron®处理器 | LAG1151 Intel® H310TH/9TH generation Core™ i9/i7/i5/i3, Pentium® or Celeron®处理器 | LAG1200 Intel® 10 generation Core™ i9/i7/i5/i3, Pentium® or Celeron®处理器 |
| | 芯片组 | Intel® H110 | Intel® H310 | Intel® H420 |
| | 内存 | Two 288-pin 2133 MHz 双通道 DDR4 SDRAM 无缓存 DIMMs, 内存上限64 GB | Two 288-pin 2666/2400 MHz 双通道 DDR4 SDRAM 无缓存 DIMMs, 内存上限64 GB | Two 288-pin 2666 MHz 双通道 DDR4 SDRAM 无缓存 DIMMs, 内存上限64 GB |
| | 显示接口 | 独立双显 1 x VGA (1920 x 1080@60Hz) 1 x HDMI 1.4 (4096x2160@24Hz) 1 x iDPinterface for HDMI, LVDS, VGA, DVI, DP (3840x2160@60Hz) | 独立三显 1 x DVI-D (2560 x 1600@60Hz) 1 x VGA (1920 x 1200@60Hz) | 独立三显 1 x VGA (1920 x 1080@60Hz) 1 x DP++(4096 x 2304@60Hz) 1 x HDMI (4096 x 2304@60Hz) |
| 存储 | 硬盘 | 3 x 5.25" + 1 x 3.5" HDD or 2 x 5.25" + 2 x 3.5" HDD | 3 x 5.25" + 1 x 3.5" HDD or 2 x 5.25" + 2 x 3.5" HDD | 3 x 5.25" + 1 x 3.5" HDD or 2 x 5.25" + 2 x 3.5" HDD |
| | 接口 | 3 x SATA 6Gb/s | 4 x SATA 6Gb/s | 4 x SATA 6Gb/s |
| I/O接口 | USB 3.2 | 4 x USB 3.2 Gen 1 外部 I/O | 4 x USB 3.2 Gen 1 外部 I/O | 4 x USB 3.2 Gen 1 外部 I/O |
| | USB 2.0 | 2 x USB 2.0外部 I/O 2 x USB 2.0 (2x4 pin, P=2.54) 1 x USB 2.0 (180° Type-A) | 2 x USB 2.0外部 I/O 2 x USB 2.0 (2x4 pin, P=2.54) | 2 x USB 2.0 |
| | LPT | 1 x LPT (2x13 pin, P=2.54) | 1 x LPT (2x13 pin, P=2.54) | N/A |
| | KB/MS | 1 x KB/MS外部 I/O 1 x KB/MS (1x6 pin) | 1 x KB/MS外部 I/O 1 x KB/MS (1x6 pin) | 1 x KB/MS外部 I/O |
| | COM | 1 x RS-232 4 x RS-232 (2x5 pin, P=2.54) 1 x RS-232/422/485 (2x5 pin, P=2.54) | 2 x RS-232 外部I/O 3x RS-232 (2x5 pin, P=2.54) 1 x RS-232/422/485 (2x5 pin, P=2.54) | 1 x RS-232 4 x RS-232 (2x5 pin, P=2.54) 1 x RS-232/422/485 (2x5 pin, P=2.54) |
| | 音频 | Line-in,Line-out, Mic-in | Line-in,Line-out, Mic-in | Line-in,Line-out, Mic-in |
| | 扩展 | 1 x 全长 mini PCIe (支持mSATA) 1 x PCIe x16 (Gen3) 1 x PCIe x4 (Gen2) 4 x PCI (注: 机箱共有7个扩展槽位) | 1 x PCIe x16 (Gen3) 1 x PCIe x4 (Gen2) 4 x PCI | 1 x PCIe x16 (Gen3) 1 x PCIe x4 (Gen2) 4 x PCI |
| 电源 | 电源输入 | 300W ATX电源 | 300W ATX电源 | 300W ATX 电源 |
| 可靠性 | 安装方式 | 机架式 | 机架式 | 机架式 |
| | 工作温度 | -20°C ~ 60°C | -20°C ~ 60°C | -20° C ~ 60° C |
| | 存储温度 | -30°C ~ 70°C | -30°C ~ 70°C | -30° C ~ 70° C |
| | 相对湿度 | 5% ~ 95%, 无冷凝 | 5% ~ 95%, 无冷凝 | 5% ~ 95%, 无冷凝 |
| 安规 & EMC | | CCC | - | CCC,FCC,CE |

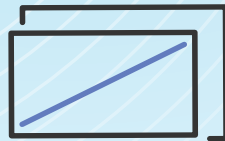
工业平板电脑

iEi 威强电的平板电脑将计算无缝集成到各种环境中，从工业环境到公共终端。这些功能丰富的设备提供高分辨率显示器和触摸屏，非常适合各种应用，包括操作员面板和人机界面。iEi威强电的产品专为承受极端条件而设计，经过严格的质量测试，以确保在恶劣环境下的可靠性。作为一家获得 ISO 认证的制造商，iEi 威强电致力于高标准。



intel
partner
Titanium

最新更新的平台



全液晶



IP64 / IP65 / IP66



多种标准安装选项

快速选型指南

| 尺寸 | 分辨率 | Intel Alder Lake-S (Desktop) | Raptor Lake-P (Mobile) | Intel Alder Lake-P (Mobile) | |
|-------|--------------------|------------------------------|------------------------|-----------------------------|----------------|
| 7" | 1024 x 600 | | | | |
| 8" | 800 x 600 (4:3) | | | | |
| 10.1" | 1280 x 800 (16:10) | | | AFL4-W101-ADLP | |
| 10.4" | 800 x 600 (4:3) | | | | |
| 12.1" | 1024 x 768 (4:3) | | UPC-F12M-RPLP | AFL4-121-ADLP | |
| 12.1" | 1280 x 800 (16:10) | | | AFL4-W121-ADLP | |
| 12.3" | 1920 x 720 (8:3) | | | | |
| 13.3" | 1920 x 1080 (16:9) | | | AFL4-W133-ADLP | |
| 15" | 1024 x 768 (4:3) | PPC2-C15-ADL | | | |
| 15.6" | 1920 x 1080 (16:9) | PPC2-CW15-ADL | | | AFL3-W15C-ADLP |
| 17" | 1280 x 1024 (4:3) | PPC2-C17-ADL | | | |
| 18.5" | 1920 x 1080 (16:9) | PPC2-CW19-ADL | | | AFL3-W19C-ADLP |
| 19" | 1280 x 1024 (4:3) | PPC2-C19-ADL | | | |
| 21.5" | 1920 x 1080 (16:9) | PPC2-CW22-ADL | | | AFL3-W22C-ADLP |
| 内存 | | SO-DIMM | On board LPDDR4x | On board LPDDR4x | DDR4 SO-DIMM |



重工业平板电脑

前面板IP65

- 高运算能力
- 丰富的I/O 接口
- 交流电输入
- PCI/PCIe 扩展



轻工业平板电脑

前面板IP64

- 窄边框、纤薄机身
- 无风扇
- 低功耗
- WIFI和蓝牙连接

IP66 加固型平板电脑



坚固的铝压铸外壳

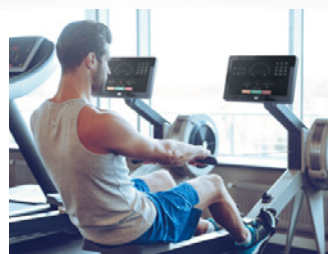
- CAN Bus
- 多种 I/O 盖板选项：
标准 I/O 盖板、密封橡胶 I/O 盖板、M12 I/O 盖板
- 无风扇
- 工作宽温：-20°C~60°C
- Wi-Fi 6E、蓝牙和 RFID 可选



| Intel Alder Lake-P (Mobile) | | Intel Elkhart Lake (Celeron) | | RISC (ARM) |
|-----------------------------|------------------|------------------------------|------------------|------------------|
| | | AFL4-W07-EHL | | AFL4-W07-RK3566 |
| | | AFL4-W08-EHL | PPC2-C08-EHL | |
| | | | | AFL4-W10-RK3568 |
| PPC2-C104-ADLP | | AFL4-W10-EHL | PPC2-C10-EHL | |
| PPC2-C121-ADLP | | AFL4-12-EHL | PPC2-C12-EHL | |
| | | AFL4-W12-EHL | | |
| | | | PPC2-CW123-EHL | |
| PPC2-CW133-ADLP | | AFL4-W13-EHL | PPC2-CW133-EHL | |
| PPC2-C150-ADLP | | | PPC2-C15-EHL | |
| PPC2-CW156-ADLP | PPC2-CW156A-ADLP | AFL4-W15-EHL | PPC2-CW15-EHL | |
| PPC2-C170-ADLP | | | PPC2-C17-EHL | |
| PPC2-CW185-ADLP | PPC2-CW185A-ADLP | | PPC2-CW19-EHL | |
| PPC2-C190-ADLP | | | PPC2-C19-EHL | |
| PPC2-CW215-ADLP | PPC2-CW215A-ADLP | | PPC2-CW22-EHL | |
| On board LPDDR4x | DDR4 SO-DIMM | On board LPDDR4x | On board LPDDR4x | On board LPDDR4x |

轻工业平板电脑 产品系列

AFOLUX 体现了实惠的奢华，提供适用于轻工业的通用且经济高效的解决方案，诸如工厂自动化、零售、医疗、数字标牌和 POS 系统。



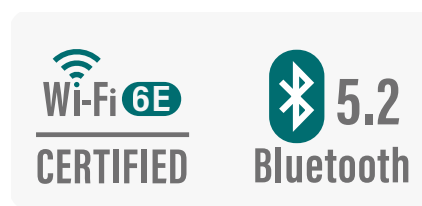
主要特征



前面板 IP64 防水



无风扇设计, 设备生命周期更长



集成 WiFi 6E 和蓝牙 5.2



带防眩光处理的十指电容触摸屏



内置 1.2W 扬声器



窄边框和坚固的铝压铸外壳

轻工业平板电脑

ARM-Based Processors



| LCD尺寸 | | 7" | 10.1" |
|--------------|---------------------------|---|---|
| 型号 | | AFL4-W07-RK3566 | AFL4-W10-RK3568 |
| LCD | 分辨率 (WxH) | 1024 x 600 | 1280 x 800 (16:10) |
| | 背光亮度 (cd/m ²) | 450 | 420 |
| | 对比度 | 800:1 | 1000:1 |
| | 可视角度(H-V) | 170° / 170° | 170° / 170° |
| 触摸 | 触摸屏 | PCA with USB interface (anti-UV/AG coating) | PCA with USB interface (anti-UV/AG coating) |
| | 触控器 | EETI EXC81 Series | PCAP with USB interface (anti-UV/AG coating) |
| 主板 | SoC | Rockchip RK3566 (Quad-core Cortex-A55 up to 1.8Ghz) | Rockchip® RK3568 (Quad-core Cortex-A55, up to 2.0 GHz) |
| | RAM | 4GB LPDDR4/4x, up to 8GB | |
| | 存储 | 32GB eMMC NAND flash | |
| 无线 & 蓝牙 (选配) | | Wi-Fi 5 / Wi-Fi 6 & Bluetooth v5.0 (B to B connector, supporting IEI wireless module) | Wi-Fi 5 / Wi-Fi 6 & Bluetooth v5.0 (B to B connector, supporting IEI wireless module) |
| I/O | USB 3.0 | 1 x USB 3.0 Type A HOST | 2 x USB 3.0 Type A (1x OTG, 1x HOST) |
| | USB 2.0 | 1 x USB 2.0 Type A OTG | 2 x USB2.0 |
| | 网络 | 1 x 1GbE RJ45 By YT8521 | 2 x 1GbE RJ45 By YT8521SC |
| | UART | 2 x (RS-232+422+485) by DB9 Port | 2 x RS-232/485 by DB9 |
| | HDMI | 1 x HDMI 2.0 type A, Up to 4K (Android support display both screens at the same time, daban support separate display) | 1 x HDMI2.0 output |
| | SD 卡 | 1 x Micro SD Slot | 1 x Micro SD Slot |
| | 电源接口 | 1 x 12V DC Jack | 1 x 12V DC Jack |
| | 扩展接口 | 1 x 3042/52 B-key (PCIe Gen2 x1) 1 x On-board SIM card socket (push-push type) for M.2 B key | 1 x 3042/52 B-key (PCIe Gen2 x1) 1 x On-board SIM card socket (hinge type) for M.2 B key |
| 多媒体 | 音频 | 1 x Speaker (1W) | 1 x Speaker (1.3W) |
| | | 1 x 3.5mm Audio Jack (Line out/Mic in) | 1 x 3.5mm Audio Jack (Line out/Mic in) |
| 指示灯和开关 | 指示信号 | 1 x Power key with LED 1 x System Operating status indicator (built-in) | 1 x Power LED 1 x Reserved LED (Programmable) |
| | 开关 | 1 x Reset key 1 x USB OTG Switch | - |
| 物理结构 | 结构材质 | Aluminum die casting | Aluminum |
| | 安装方式 | Panel, Wall, Stand, Arm, Rack VESA 75 | Wall, Stand, Arm, VESA 75 |
| | 颜色 | Silver + Black | Silver+Black |
| | 尺寸 (WxH) | 180 mm x 116 mm | 243.56 mm x 166.2 mm |
| 环境 | 工作温度 | 0°C ~ 50°C | -10°C ~ 50°C with air flow |
| | 存储温度 | -20°C ~ 60°C | -20°C ~ 60°C |
| | 湿度 | 10% ~ 90%@40°C (Non-condensing) | 10% to 90%@40°C (non-condensing) |
| | IP 等级 | Front panel compliance IP 54 | Front panel IP64 |
| | 安规 & EMC | CE, FCC, Class A | CE/EMC, FCC |
| | 散热方案 | Fanless | Fanless |
| | 电源 | 12V DC | 12V DC |
| OS | OS | Debian10 (Kernel 4.19) | Android 12.0 / Linux Debian 10 (kernel 4.19) |
| | 看门狗 | Yes | Yes |

轻工业平板电脑

Intel® Core™ Mobile Processors

intel
Raptor Lake-P
Alder Lake-P



| LCD 显示 | | 10.1" | 12.1" | 12.1" | 13.3" |
|---------|--|--|--|--|--|
| 型号 | | AFL4-W101-ADLP | AFL4-121-ADLP | AFL4-W121-ADLP | AFL4-W133-ADLP |
| LCD | 分辨率 (WxH) | 1280 x 800 (16:10) | 1024 x 768 (4:3) | 1280 x 800 (16:10) | 1920 x 1080 (16:9) |
| | 背光亮度 (cd/m ²) | 350 cd/cm ² | 500 cd/cm ² | 500 cd/cm ² | 350 cd/cm ² |
| | 对比度 | 800:1 | 800:1 | 1200:1 | 1000:1 |
| | LCD 颜色 | 16.7M | 16.2M | 16.2M | 16.2M |
| | 可视角度 (H-V) | 170°/170° | 170°/170° | 170°/170° | 176°/176° |
| | 背光 MTBF | 30,000 hours | 30,000 hours | 50,000 hours | 30,000 hours |
| 触摸 | 触摸屏 | Multi-point projected capacitive type (anti-UV / anti-glare coating) | | | |
| | 触控器 | Surface hardness: ≥7H Projected capacitive type: EETI 80 | | | |
| 主板 | CPU | 12th Generation Intel® Core™ i7/i5/i3 Processor (Alder Lake-P) 13th Generation Intel® Core™ i7/i5/i3 Processor (Raptor Lake-P) | | | |
| | 内存 | Dual-channel 8GB LPDDR4x on-board | | | |
| | 网络 | LAN1: Intel® I225V/I226V 2.5GbE controller LAN2: Intel® I225-LM/I226-LM 2.5GbE controller (support Intel® AMT) | | | |
| | 扩展 | 1 x M.2 M key 2242 (PCIe Gen4 x4) 1 x M.2 M key 2280 (PCIe Gen4 x4) | | | |
| | I/O 接口 & 开关 | 2 x RS-232 by DB9 2 x RS-232/422/485 by DB9 2 x 2.5GbE LAN 2 x USB 3.2 Gen2 2 x USB 3.2 Gen1 1 x USB 2.0 1 x HDMI output 1 x 12V DC Jack 1 x Power button 1 x Reset button 1 x AT/ATX switch | 2 x RS-232 by DB9 2 x RS-232/422/485 by DB9 2 x 2.5GbE LAN 2 x USB 3.2 Gen2 2 x USB 3.2 Gen1 1 x USB 2.0 1 x HDMI output 1 x 12V DC Jack 1 x Power button 1 x Reset button 1 x AT/ATX switch | 2 x RS-232 by DB9 2 x RS-232/422/485 by DB9 2 x 2.5GbE LAN 2 x USB 3.2 Gen2 2 x USB 3.2 Gen1 1 x USB 2.0 1 x HDMI output 1 x 12V DC Jack 1 x Power button 1 x Reset button 1 x AT/ATX switch | 2 x RS-232 by DB9 2 x RS-232/422/485 by DB9 2 x 2.5GbE LAN 2 x USB 3.2 Gen2 2 x USB 3.2 Gen1 1 x USB 2.0 1 x HDMI output 1 x 12V DC Jack 1 x Power button 1 x Reset button 1 x AT/ATX switch |
| 无线 & 蓝牙 | IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.2 (M.2 2230 E-key) | | | | |
| 物理结构 | 安装方式 | VESA 100, Wall, Stand and Arm | VESA 100, Wall, Stand and Arm | VESA 100, Wall, Stand and Arm | VESA 100, Wall, Stand and Arm |
| | 结构材质 | Aluminum front cover and sheet metal rear cover | | | |
| | 外壳颜色 | Silver+Black | Silver+Black | Silver+Black | Silver+Black |
| | TPM | Intel® Platform Trust Technology | Intel® Platform Trust Technology | Intel® Platform Trust Technology | Intel® Platform Trust Technology |
| | 看门狗 | Software Programmable support 1~255 sec. system reset | | | |
| 环境 | 工作温度 (有风流) | -10°C ~ 50°C | -10°C ~ 50°C | -10°C ~ 50°C | -10°C ~ 50°C |
| | 存储温度 | -20°C ~ 60°C | -20°C ~ 60°C | -20°C ~ 60°C | -20°C ~ 60°C |
| | 湿度 | 10% ~ 95%@40°C, non-condensing | | | |
| | 震动 | MIL-STD-810G 514.6C-1(with SSD) | | | |
| | 冲击 | Half-sine wave shock 5G; 11ms; 100 shocks per axis | | | |
| | 尺寸 (H x W x D) | 243.56 x 166.20 x 50.95 (mm) | 280.36 x 220.92 x 57.80 (mm) | 295.72 x 197.80 x 57.80 (mm) | 327.70 x 203.33 x 57.80 (mm) |
| | 净重 | 1.66kg | 2.38kg | 2.39kg | 2.56kg |
| | 合规 & EMC | CE, FCC Class A, UKCA | CE, FCC Class A, UKCA | CE, FCC Class A, UKCA | CE, FCC Class A, UKCA |
| 散热方案 | Fanless | Fanless | Fanless | Fanless | |
| 电源 | 输入电压 | 12V DC | 12V DC | 12V DC | 12V DC |
| | 功耗 | 12V@4.819A | 12V@5.853A | 12V@4.960A | 12V@5.063A |
| ErP | ErP 2009/125/EC | | | | |
| 支持操作系统 | Windows 10/11 IoT, Linux | | | | |

轻工业平板电脑

Intel® Core™ Mobile Processors

intel
Raptor Lake-P
Alder Lake-P



| LCD 尺寸 | | 15.6" | 18.5" | 21.5" |
|---------|---|--|-----------------------------|-----------------------------|
| 型号 | | AFL3-W15C-ADLP | AFL3-W19C-ADLP | AFL3-W22C-ADLP |
| LCD | 分辨率 | 1920 x 1080 (16:9) | 1920 x 1080 (16:9) | 1920 x 1080 (16:9) |
| | 背光亮度 (cd/m ²) | 450 | 350 | 350 |
| | 对比度 | 800:1 | 1200:1 | 1000:1 |
| | 可视角度 (H-V) | 178/178 | 170/170 | 178/178 |
| | 背光 MTBF | 50000 | 50000 | 50000 |
| 触摸 | 触摸屏 | PCAP with USB interface (anti-UV/AG coating) | | |
| | 触控器 | EXC3160 | | |
| 主板 | 网络 | LAN1: Intel® I225 LM/ I226 LM (support Intel AMT) LAN2: Intel® I225V/I226V | | |
| | 内存 | Two 260-pin 3200 MHz dual-channel DDR4 SO-DIMM (8GB pre-installed) (up to 64GB) | | |
| | CPU | 12/13th Gen Intel® Core™ Mobile i7/i5/i3 Processors (Alder Lake-P/Raptor Lake-P) | | |
| | 音频编解码器 | ALC888S | ALC888S | ALC888S |
| | 存储 | 1 x 2.5" SATA 6Gb/s HDD bay | 1 x 2.5" SATA 6Gb/s HDD bay | 1 x 2.5" SATA 6Gb/s HDD bay |
| | 扩展 | 2 x M.2 2280 M-key (PCIe Gen4x4) 1 x M.2 3080 B-key (PCIe x1 or SATA) support IPMI function | | |
| | I/O 接口 & 开关 | 1 x RS-232 by DB9 1 x RS-232/422/485 w/ AFC by DB9 2 x 2.5GbE LAN 1 x RJ45 for IPMI 4 x USB 3.2 Gen1 1 x HDMI output 1 x 12V DC jack 1 x Power button 1 x Reset button 1 x Clear CMOS button 1 x AT/ATX switch | | |
| 音频 | AMP 3W + 3W (internal speaker) | | | |
| 相机/麦克风 | 2-megapixel with low light function, digital microphone | | | |
| 无线 & 蓝牙 | IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.2 (M.2 2230 E-key) | | | |
| 物理结构 | 结构材质 | PC + ABS Plastic | | |
| | 安装方式 | VESA 75 /100mm | | |
| | 颜色 | Black C | | |
| 环境 | 工作温度(°C) (有风流) | 0 ~ 50 | | |
| | 存储温度(°C) | -20 ~ 60 | | |
| | 湿度 | 10 ~ 90RH@40°C (non-condensing) | | |
| | IP 等级 | IP 64 compliant front panel | | |
| | 安规&EMC | CE, FCC (Class A), UKCA | | |
| | 尺寸 | 395.5 x 249.8 x 69.4 | 469.6 x 289.6 x 70.0 | 530.0 x 337.95 x 69.50 |
| | 重量/kg | 4.22 | 6.79 | 7.83 |
| 散热方案 | Fanless | | | |
| 电源 | 输入电压 | 12V DC | 12V DC | 12V DC |
| | 功耗 | 12V@6.46A | 12V@7.20A | 12V@8.82A |
| ErP | ErP 2009/125/EC | | | |
| 支持操作系统 | Microsoft Windows® 10/11 IoT, Linux | | | |

轻工业平板电脑

Intel® Celeron® Processors

intel
Elkhart Lake



| LCD 尺寸 | | 7" | 8" | 10.1" |
|---------|--|--|---|--|
| 型号 | | AFL4-W07-EHL | AFL4-W08-EHL | AFL4-W10-EHL |
| LCD | 分辨率 (WxH) | 1024 x 600 (16:9) | 1280 x 800 (16:10) | 1280 x 800 (16:10) |
| | 背光亮度 (cd/m ²) | 450 | 420 | 350 |
| | LCD 颜色 | 16.2M | 16.7M | 16.7M |
| | 像素间距 (mm) | 0.1506 x 0.1432 | 0.135 x 0.135 | 0.1695 x 0.1695 |
| | 对比度 | 800:1 | 800:1 | 900:1 |
| | 可视角度 (H-V) | 170°/170° | 170°/170° | 170°/170° |
| | 背光 MTBF | 20000 hours | 30000 hours | 30000 hours |
| 触摸 | 触摸屏 | PCAP with USB interface (Anti-UV/AG coating) | | |
| | 触控器 | EETI EXC 81 Series | | |
| 主板 | SoC | Intel® Celeron® Processor J6412 1.5M Cache, up to 2.60 GHz / TDP 10W | Intel® Celeron® Processor J6412 1.5M Cache, up to 2.60 GHz / TDP 10W | Intel® Celeron® Processor J6412 1.5M Cache, up to 2.60 GHz / TDP 10W |
| | RAM | Dual channel 8GB LPDDR4x on board (up to 16GB) | | |
| | 网络 | LAN1: Intel® I225V/I226V 2.5GbE controller | LAN1: Intel® I225-V / I226-V 2.5GbE controller | LAN1: Intel® I225V/I226V 2.5GbE controller LAN2: Intel® I225V/I226V 2.5GbE controller |
| | 音频编解码器 | Realtek ALC888S | | |
| | 存储 | 128G eMMC (optional) | | |
| | 扩展 | 1 x M.2 M key 2242 (PCIe Gen3 x1 or SATA) | 1 x M.2 2242 M key (PCIe Gen3 x1 + SATA) | 1 x M.2 M key 2242 (PCIe Gen3 x1 or SATA) 1 x M.2 M key 2280 (PCIe Gen3 x2) |
| | I/O 接口 & 开关 | 2 x RS-232/422/485 by DB9 1 x 2.5GbE LAN 2 x USB 3.2 Gen2 1 x USB2.0 1 x HDMI output 1 x 12V DC Jack 1 x Power button 1 x Reset button 1 x AT/ATX switch | | 2 x RS-232 by DB9 2 x RS-232/422/485 by DB9 2 x 2.5GbE LAN 2 x USB 3.2 Gen1 3 x USB 2.0 1 x HDMI output 1 x 12V DC jack 1 x Power button 1 x Reset button 1 x AT/ATX switch |
| 音频 | AMP 1.2W (internal speaker) | | AMP 1.2W (internal speaker) | AMP 1.2W (internal speaker) |
| 无线 & 蓝牙 | IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.2 (M.2 2230 A Key) | | IEEE 802.11 a/b/g/n/ax, Bluetooth V5.2 1 x M.2 2230 A Key Slot (PCIe + USB signal) | IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.2 (M.2 2230 A Key) |
| 物理结构 | 结构材质 | Aluminum die casting+SECC | | |
| | 安装方式 | Wall, Stand, ARM, VESA 75 | | |
| | 颜色 | Silver+Black | | |
| 环境 | 工作温度 (°C) | -10 ~ 40 | -10 ~ 50 @50%RH | -10 ~ 50 |
| | 存储温度 (°C) | -20 ~ 60 | -20 ~ 60 @50%RH | -20 ~ 60 |
| | 湿度 | 10% to 95%@40°C (non-condensing) | | |
| | 安规 & EMC | CE/EMC, UKCA, FCC, RED (Class A) | | |
| | 散热方案 | Fanless | | |
| | 功耗 | 12V@3.29A | 12V@3.06A | 12V@3.19A |
| | IP 等级 | Front Panel Compliance IP64 | | |
| 净重 | 0.740 kg | 0.98 kg | 1.370 kg | |
| ErP | ErP 2009/125/EC | | | |
| 支持操作系统 | Windows 10/11 IoT/Linux | | | |

轻工业平板电脑

Intel® Celeron® Processors

intel
Elkhart Lake



| LCD 尺寸 | | 12.1" | 12.1" | 13.3" | 15.6" |
|-------------|--|--|-------------------------------|---|---|
| 型号 | | AFL4-12-EHL | AFL4-W12-EHL | AFL4-W13-EHL | AFL4-W15-EHL |
| LCD | 分辨率 (WxH) | 1024 x 768 (4:3) | 1280 x 800 (16:10) | 1920 x 1080 (16:9) | 1920 x 1080 (16:9) |
| | 背光亮度 (cd/m ²) | 500 | 500 | 350 | 450 |
| | LCD 颜色 | 16.7M | 16.7M | 16.7M | 16.2M |
| | 像素间距 (mm) | 0.24 x 0.24 | 0.1695 x 0.1695 | 0.153 x 0.153 | 0.179 x 0.179 |
| | 对比度 | 700:1 | 1200:1 | 1000:1 | 800:1 |
| | 可视角度 (H-V) | 170°/170° | 170°/170° | 176°/176° | 178°/178° |
| | 背光 MTBF | 30,000 hours | 50000 hours | 50000 hours | 50000 |
| 触摸 | 触摸屏 | PCA with USB interface (anti-UV/AG coating) | | | |
| | 触控器 | EETI EXC 81 Series | EETI EXC 81 Series | EETI EXC 81 Series | EETI EXC 81 Series |
| 主板 | SoC | Intel® Celeron® Processor J6412 1.5M Cache, up to 2.60 GHz / TDP 10W | | | Intel® Celeron® Processor J6412 1.5M Cache, up to 2.60 GHz / TDP 10W |
| | RAM | Dual channel 8GB LPDDR4x on board (up to 16GB) | | | |
| | 网络 | LAN1: Intel® I225V/I226V 2.5GbE controller LAN2: Intel® I225V/I226V 2.5GbE controller | | | LAN1: Intel® I225-V/I226-V LAN2: Intel® I225-V/I226-V |
| | 音频编解码器 | Realtek ALC888S | | | |
| | 扩展 & 存储 | 1 x M.2 M key 2242 (PCIe Gen3 x1 or SATA) 1 x M.2 M key 2280 (PCIe Gen3 x2) | | | 1 x M.2 M key 2242 (PCIe Gen3 x1 + SATA) 1 x M.2 M key 2280 (PCIe Gen3 x2) |
| I/O 接口 & 开关 | 2 x RS-232 by DB9 2 x RS-232/422/485 by DB9 2 x 2.5GbE LAN 2 x USB 3.2 Gen1 3 x USB 2.0 1 x HDMI output 1 x 12V DC jack 1 x Power button 1 x Reset button 1 x AT/ATX switch | | | 2 x RS-232 by DB9 2 x RS-422/485 by DB9 2 x 2.5GbE RJ45 2 x USB 3.2 Gen2 3 x USB 2.0 1 x HDMI output 1 x 12V DC jack 1 x Power button 1 x Reset button 1 x AT/ATX switch | |
| | AMP 1.2W (internal speaker) | | | AMP 1.2W (internal speaker) | AMP 1.2W (internal speaker) |
| 无线 & 蓝牙 | | IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.2 (M.2 2230 A Key) | | | IEEE 802.11 a/b/g/n/ax, Bluetooth V5.2 1 x M.2 2230 A Key Slot (PCIe + USB signal) |
| 物理结构 | 结构材质 | Aluminum die casting+SECC | Aluminum die casting | Aluminum die casting | Aluminum die casting+SECC |
| | 安装方式 | Wall, Stand, Arm, VESA 75/100 | Wall, Stand, Arm, VESA 75/100 | Wall, Stand, Arm, VESA 75/100 | Wall, Stand, ARM, VESA 75/100 |
| | 颜色 | Silver+Black | Silver+Black | Silver+Black | Silver+Black |
| 支持操作系统 | 工作温度(°C) | -10 ~ 50 | -10 ~ 50 | -10 ~ 50 | -10 ~ 50@50%RH |
| | 存储温度(°C) | -20 ~ 60 | -20 ~ 60 | -20 ~ 60 | -20 ~ 60@50%RH |
| | 湿度 | 10% to 95%@40°C (non-condensing) | | | 10% to 90%@40°C (non-condensing) |
| | 安规&EMC | CE/EMC, UKCA, FCC, RED (Class A) | | | |
| | 散热方案 | Fanless | | | |
| | 功耗 | 12V@3.14A | 12V@3.13A | 12V@4.05A | 12V@5.05A |
| | IP 等级 | Front Panel Compliance IP64 | Front Panel Compliance IP64 | Front Panel Compliance IP64 | Front panel IP64 |
| | 净重 | 2.041 kg | 2.140 kg | 2.270 kg | 3.04kg |
| ErP | ErP 2009/125/EC | | | | |
| 支持操作系统 | Windows 10/11 IoT / Linux | Windows 10/11 IoT / Linux | Windows 10/11 IoT / Linux | Windows 10/11 IoT / Linux | |

轻工业平板电脑

Intel® Celeron® Processor

intel
Apollo Lake



| LCD 尺寸 | | 7" | 10.1" | 12.1" |
|-------------|--|---|--|--|
| 型号 | | AFL3-W07A-AL | AFL3-W10A-AL | AFL3-12A-AL |
| LCD | 分辨率 | 1024 x 600 (16:9) | 1280 x 800 (16:10) | 1024 x 768 (4:3) |
| | 背光亮度 (cd/m ²) | 500 | 350 | 500 |
| | 对比度 | 700:1 | 800:1 | 700:1 |
| | 可视角度 (H-V) | 150 / 145 | 170 / 170 | 160 / 160 |
| | 背光 MTBF(hrs) | 20000 | 15000 | 50000 |
| 触摸 | 触摸屏 | PCAP with USB interface (anti-UV/AG coating) | | |
| | 触控器 | EETI 80H60 | EXC3146 | EXC3146 |
| 主板 | CPU | Intel® Celeron® N3350 (2M Cache, up to 2.4 GHz) TDP 6W | Intel® Celeron® Processor J3455 (2M Cache, up to 2.3 GHz) TDP 10W | |
| | 内存 | one 204-pin 1866MHz DDR3L DIMMs support up to 8GB | | |
| | 网络 | LAN1: Intel® I211 + LAN2: Intel® I211 | LAN1: Intel® I211 + LAN2: Intel® I211 | |
| | 音频编解码器 | Realtek ALC 888S | | |
| 存储 | 1 x M.2 B+M key 2242 slot (USB/SATA signal) | 1 x M.2 B+M key 2242 slot (USB/SATA signal) | *1 x 2.5" SATA 3Gb/s HDD bay (optional one of the two) 1 x M.2 B+M key 2242 slot (USB/SATA signal) | |
| I/O 接口 & 开关 | 2 x GbE LAN 2 x USB 3.2 Gen 1 (5Gb/s) 2 x USB 2.0 1 x 12V DC Jack 1 x Power button 1 x Reset button 1 x Clear CMOS button 1 x AT/ATX switch | 1 x RS-232/422/485 by RJ45 1 x RS-232 by DP9 2 x GbE LAN 2 x USB 3.2 Gen 1 (5Gb/s) 2 x USB 2.0 1 x HDMI output 1 x 9V~30V DC jack 1 x Power button 1 x Line out 1 x Reset button 1 x Clear CMOS button 1 x AT/ATX switch | | |
| 以太网供电 | Onboard PoE at | Yes (option single channel) | | |
| 音频 | AMP 2W (internal speaker) | AMP 2W + 2W | AMP 3W + 3W (internal speaker) | |
| 相机/麦克风 | N/A | 2-megapixel with low light function, digital microphone | | |
| 无线 & 蓝牙 | IEEE 802.11 a/b/g/n/ac, Bluetooth V4.2 (1 x M.2 A key 2230) | IEEE 802.11 a/b/g/n/ac, Bluetooth V4.1 M.2 slot A+E key 2230 slot (PCIe/USB signal) | | |
| 物理结构 | 前面板结构 | PC + ABS Plastic | | |
| | 安装方式 | Panel, Wall, Stand and Arm VESA 75mm x 75mm | | Panel, Wall, Stand and Arm VESA 75mm x 75mm, 100mm x 100mm |
| | 颜色 | Black C | | |
| | 尺寸 (W x H x D)(mm) | 191 x 127 x 43 | 262 x 181 x 42 | 304 x 243 x 44 |
| | 开孔尺寸 (W x H) | 182 x 111 | 236 x 149 | 243 x 205 |
| | 净重/毛重(kgs) | 0.73/1.81 | 1.06/2.58 | 1.92/3.95 |
| 环境 | 工作温度 (°C) (有风流) | -20°C ~ 50°C | | |
| | 存储温度 (°C) | -20°C ~ 60°C | | |
| | 湿度 | 10% to 95% (non-condensing) | | |
| | IP 等级 | IP 65 compliant front panel | | |
| | 安规 & EMC | CE / FCC class A | | |
| 散热方案 | Fanless | | | |
| 电源 | 功耗 | 12V/3A | 9 ~ 30V, 4~1, 2A | 9 ~ 30V, 6.67~2A |
| ErP | ErP 2009/125/EC | | | |
| 支持操作系统 | Microsoft Windows® 10, Linux | | | |

轻工业平板电脑

Intel® Celeron® Processors

intel
Bay Trail



| LCD 尺寸 | | 7" | 8.4" |
|-------------|--|--|---|
| 型号 | | AFL3-W07A-BT | AFL3-08A-BT |
| LCD 尺寸 | 分辨率 | 1024 x 600 (16:9) | 800 x 600 (4:3) |
| | 背光亮度(cd/m ²) | 500 | 350 |
| | 对比度 | 700:1 | 600:1 |
| | LCD颜色 | 16.2M | 16.2M |
| | 像素间距 (mm) | 0.0635 (H) x 0.1905 (V) | 0.213 (H) x 0.213 (V) |
| | 可视角度 (H-V) | 150° / 145° | 160° / 140° |
| | 背光MTBF (hrs) | 20000 | 50000 |
| 触摸 | 触摸屏 | Projected capacitive with USB interface (anti-UV / anti-glare coating) | 5-wire resistive with RS-232 interface (anti-glare coating) Projected capacitive with USB interface (anti-UV / anti-glare coating) |
| | 触控器 | EETI EXC3160 | PenMount DMC 9000/EETI EXC3146 |
| 主板 | CPU | Intel® Celeron® N2807 (dual core, 1.58 GHz) | Intel® Celeron® J1900 (quad core, 2.0 GHz) |
| | 内存 | 2GB DDR3L onboard RAM | One 204-pin 2 GB 1333MHz single-channel, 2GB DDR3L SO-DIMM pre-installed (system max. 8GB) |
| | 网络 | 2 x PCIe GbE by RTL8111HN-CG | 2 x PCIe GbE by RTL8111HN-CG controller |
| | 音频编解码器 | Realtek ALC 888S | |
| 存储 | mSATA | | |
| I/O 接口 & 开关 | 2 x RS-232 COM port (DB-9 connector) 2 x USB 3.2 Gen 1 (5Gb/s) 2 x GbE LAN 1 x Power button 1 x Reset button 1 x AT/ATX switch 1 x 9-30V Lockable power jack | | 1 x RS-232 COM port (RJ-45 connector) 1 x RS-232/422/485 COM port (DB-9 connector) (RI/5V/12V) 2 x USB 3.2 Gen 1 (5Gb/s) 2 x RJ-45 for GbE LAN 1 x Power button 1 x Audio port (line-out) 1 x Reset button 1 x AT/ATX switch 1 x 9-30V DC Lockable power jack |
| | 音频 | AMP 2W (internal speaker, left channel output) | AMP 2W + 2W (internal speaker) |
| 相机/麦克风 | N/A | | 2-megapixel with low light function, digital microphone |
| 无线 & 蓝牙 | IEEE 802.11 a/b/g/n/ac / Bluetooth 4.2 half-size mini-PCIe slot (PCIe / USB signal) | | |
| OSD 功能 | Software OSD | | |
| 物理结构 | 前面板结构 | PC + ABS Plastic | |
| | 安装方式 | Panel, Wall, Stand, Arm, Rack VESA 75mm x 75mm | |
| | 颜色 | Black C | |
| | 尺寸(WxHxD) (mm) | 191 x 127 x 43 | 233 x 175 x 50 |
| | 开孔尺寸 (WxH) (mm) | 182 x 111 | 207 x 143 |
| | 净重/毛重(kgs) | 0.73/1.81 | 0.8/2.44 |
| 电源 | 工作温度 (°C) (有风流) | -20°C ~ 50°C | -15°C ~ 55°C |
| | 存储温度 (°C) | -20°C ~ 60°C | -20°C ~ 65°C |
| | 湿度 | 10% to 95% (non-condensing) | |
| | IP 等级 | IP 65 compliant front panel | IP 64 compliant front panel |
| | 安规 & EMC | CE / FCC | |
| | 散热方案 | Fanless | |
| | 电源 | 9 V ~ 30 V DC | |
| 功耗 | 12V@2.08 (Intel® N2807 CPU with 2GB 1333 MHz DDR3L memory) | 12V@2A (Intel® J1900 CPU with 2GB 1333 MHz DDR3L memory) | |

轻工业平板电脑

Intel® Celeron® Processors



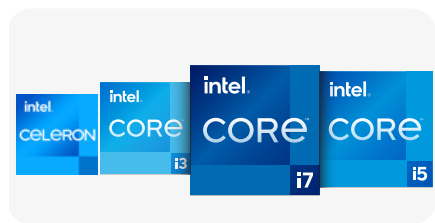

| LCD 尺寸 | | 10.1" | 12.1" |
|-------------|---|--|--|
| 型号 | | AFL3-W10A-BT | AFL3-12A-BT |
| LCD | 尺寸 | 10.1" | 12.1" |
| | 分辨率 | 1280 x 800 (16:10) | 1024 x 768 (4:3) |
| | 背光亮度 (cd/m ²) | 350 | 500 |
| | 对比度 | 800:1 | 700:1 |
| | LCD 颜色 | 16.2M | 16.2M |
| | 像素间距(mm) | 0.1695 (H)×0.1695 (V) | 0.240 (H) x 0.240 (V) |
| | 可视角度 (H-V) | 170° / 170° | 160° / 140° |
| | 背光 MTBF(hrs) | 15000 hrs | 50000 hrs |
| 触摸 | 触摸屏 | Projected capacitive with USB interface (anti-UV / anti-glare coating) | 5-wire resistive with RS-232 interface (anti-glare coating) Projected capacitive with USB interface (anti-UV / anti-glare coating) |
| | 触摸器 | EETI EXC3146 | PenMount DMC9000/ EETI EXC3146 |
| 主板 | CPU | Intel® Celeron® J1900 (quad core, 2.0 GHz) | |
| | 内存 | One 204-pin 2 GB 1333MHz single-channel, 2GB DDR3L SO-DIMM pre-installed (system max. 8GB) | |
| | 网络 | 2 x PCIe GbE by RTL8111HN-CG controller | |
| | 音频编解码器 | Realtek ALC 888S | |
| 存储 | 1 x mSATA | | 1 x mSATA 1 x 2.5" SATA 3Gb/s HDD bay |
| I/O 接口 & 开关 | 1 x RS-232 COM port (RJ-45 connector) 1 x RS-232/422/485 COM port (DB-9 connector)(RI/5V/12V) 2 x USB 3.2 Gen 1 (5Gb/s) 2 x USB 2.0 2 x RJ-45 for GbE LAN 1 x Power button 1 x Audio port (line-out) 1 x Reset button 1 x AT/ATX switch 1 x 9-30V DC lockable power jack | | 1 x RS-232 COM port (RJ-45 connector) 1 x RS-232/422/485 COM port (DB-9 connector)(RI/5V/12V) 2 x USB 3.2 Gen 1 (5Gb/s) 2 x USB 2.0 2 x RJ-45 for GbE LAN 1 x Power button 1 x Audio port (line-out) 1 x Reset button 1 x AT/ATX switch 1 x 9-30V lockable power jack |
| | AMP 2W + 2W (internal speaker) | | AMP 3W + 3W (internal speaker) |
| 相机/麦克风 | 2-megapixel with low light function, digital microphone | | |
| 无线 | IEEE 802.11 a/b/g/n/ac / Bluetooth 4.2 half-size mini-PCIe slot (PCIe / USB signal) | | IEEE 802.11a/b/g/n/ac half-size mini-PCIe slot (PCIe signal) |
| OSD 功能 | Software OSD | | |
| 物理结构 | 前面板材质 | PC + ABS Plastic | |
| | 安装方式 | Panel, Wall, Stand, Arm, Rack VESA 75mm x 75mm | Panel, Wall, Rack, Stand and Arm VESA 75mm x 75mm / 100mm x 100mm |
| | 颜色 | Black C | |
| | 尺寸 (WxHxD) (mm) | 262 x 181 x 42 | 304 x 243 x 44 |
| | 开孔尺寸(WxH) (mm) | 236 x 149 | 243 x 205 |
| | 净重/毛重(kgs) | 1.06/2.58 | 1.92/3.95 |
| 环境 | 工作温度 (有风流) | -10°C ~ 50°C | -20°C ~ 50°C |
| | 存储温度 | -20°C ~ 60°C | -20°C ~ 60°C |
| | 湿度 | 10% to 95% (non-condensing) | |
| | IP 等级 | IP 64 compliant front panel | |
| | 安规 & EMC | CE / FCC | |
| | 散热方案 | Fanless | |
| 电源 | 电源 | 9 V ~ 30 V DC | |
| | 功耗 | 12V@2.3A (Intel® J1900 CPU with 2GB 1333 MHz DDR3L memory) | 12V@3.58A (Intel® J1900 CPU with 2GB 1333 MHz DDR3L memory) |

重型工业平板电脑 产品系列

PPC 2系列平板电脑专为需要高强度计算的重工业需求而设计。它们具有Intel®Core™处理器、Intel®UHD Graphics和PCIe插槽，增强了其功能。有能源优化，这些PC在各种应用程序中表现出色，例如边缘人工智能、工业自动化和机器视觉。



主要特征



Intel® 睿酷 Desktop
和Intel®赛扬处理器



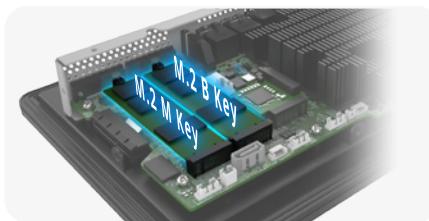
前面板IP65防护



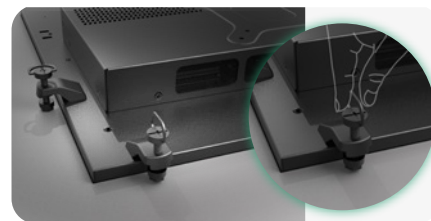
高带宽 PCIe Gen4 x16 扩展AI功能



图形 BIOS 界面



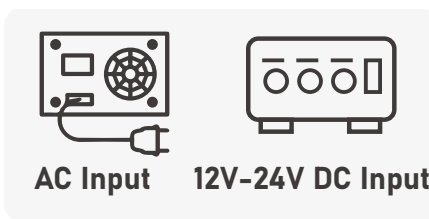
M.2 B Key & M.2 M Key



免工具安装平板设计



-10°C ~ 60°C 宽工作温度范围 (EHL models)



交流输入或 12V-24V 直流电源输入
最大限度地提高了工作便利性



10点 7H 弹性、反应灵敏的PCAP触控
技术

重工业平板电脑

Intel® Core™ Desktop Processors

intel
Alder Lake-S



| LCD 尺寸 | 15" | 15.6" | 17" |
|--------------------|--|--|-------------------------|
| 型号 | PPC2-C15-ADL | PPC2-CW15-ADL | PPC2-C17-ADL |
| 最大规格 | 1024 x 768 (4:3) | 1920 x 1080 (16:9) | 1280 x 1024 (5:4) |
| 背光亮度 | 400 cd/m ² | 450 cd/m ² | 350 cd/m ² |
| 对比度 | 800:1 | 800:1 | 800:1 |
| LCD 颜色 | 16.2M | 16.2M | 16.7M |
| 像素间距 (mm) | 0.297 x 0.297 | 0.252 x 0.252 | 0.26 x 0.26 |
| 可视角度 (H-V) | 176°/176° | 178°/178° | 160°/140° |
| 背光 MTBF | 70,000 hours | 50,000 hours | 50,000 hours |
| CPU | Support 12th/13th/14th Gen Intel® Core™ i9/i7/i5/i3 and Pentium® Processor (LGA1700) | | |
| 芯片组 | Intel® H610 | | |
| 显示引擎 | New Intel® Xe Graphics architecture with SRIOV, Genlock | | |
| 显示接口 | 1 x HDMI 2.0 | | |
| 触摸屏 | Two 260-pin 3200 MHz dual-channel DDR4 SO-DIMM (max. 64GB) | | |
| 内存 | Multi-point projected capacitive type Surface hardness: ≥7H | | |
| 触控器 | Projected capacitive type: EETI 80 | | |
| 存储 | 1 x 2.5" SATA HDD bay | | |
| 网络 | LAN1: Intel® I225/I226 + LAN2: Intel® I225/I226 | | |
| 扩展 | 1 x PCIe Gen4 x16 slot with x16 signal 1 x M.2 E-Key 2230 (PCIe Gen3 x1 + CNVio + USB 2.0) 1 x M.2 M Key 2242/2280 NVMe (PCIe Gen3 x4) | | |
| 安装方式 | VESA 100mm x 100mm Panel, Wall, Rack, Stand and Arm | | |
| 结构材质 | Aluminum front cover and sheet metal rear cover | | |
| 机箱颜色 | Black C | | |
| I/O 接口, 开关和按钮 | 1 x HDMI 2.0 2 x 2.5GbE RJ45 2 x USB 2.0 (Type-A) 2 x USB 3.2 Gen1 (Type-A) (5Gb/s) 2 x USB 3.2 Gen2 (Type-A) (10Gb/s) 1 x RS-232/422/485 (RS-485 support AFC) | 4 x RS-232 1 x AC input 1 x Power switch 1 x Clear CMOS button 1 x Reset button 1 x AT/ATX switch | |
| 电源 | AC input ATX power supply 250W power supply - Input: 100V~240V AC, 47Hz-63Hz - Output (max.): 3.3V@6A, 5V@12A, 12V@17A, -12V@0.5A, +5Vsb@2A Support AT/ATX mode, ErP/EuP Compliant | | |
| 散热方案 | Smart fan (2 x CPU fan, 2 x System fan) | | |
| TPM | Intel® Platform Trust Technology | | |
| 看门狗 | Software Programmable Support 1~255 sec. system reset | | |
| 工作温度(有风流) | -10°C ~ 60°C | | |
| 存储温度 | -20°C ~ 60°C | | |
| 湿度 | 10% ~ 95%@40, non-condensing | | |
| IP 等级 | IP 65 compliant front panel | | |
| 工作震动 | MIL-STD-810G 514.6C-1 (with SSD) | | |
| 工作冲击 | Half-sine wave shock 5G; 11ms; 100 shocks per axis | | |
| 安规&EMC | CE, FCC Class A, UKCA | | |
| ErP | ErP 2009/125/EC | | |
| 尺寸(H x W x D) (mm) | 378.5 x 303 x 76.16 | 400.70 x 253.90 x 86.45 | 408.40 x 341.40 x 84.70 |
| 净重 | 5.715 kg | 5.64 kg | 5.73 kg |

重工业平板电脑

Intel® Core™ Desktop Processors




| LCD 尺寸 | 18.5" | 19" | 21.5" |
|--------------------|---|-----------------------|-----------------------|
| 型号 | PPC2-CW19-ADL | PPC2-C19-ADL | PPC2-CW22-ADL |
| 最大规格 | 1920 x 1080 (16:9) | 1280 x 1024 (5:4) | 1920 x 1080 (16:9) |
| 背光亮度 | 350 cd/m ² | 450 cd/m ² | 350 cd/m ² |
| 对比度 | 1200:1 | 1000:1 | 1000:1 |
| LCD 颜色 | 16.7M | 16.7M | 16.7M |
| 像素间距 (mm) | 0.3 x 0.3 | 0.294 x 0.294 | 0.3 x 0.3 |
| 可视角度 (H-V) | 170°/170° | 178°/178° | 178°/178° |
| 背光 MTBF | 50,000 hours | 50,000 hours | 50,000 hours |
| CPU | Support 12th/13th/14th Gen Intel® Core™ i9/i7/i5/i3 and Pentium® Processor (LGA1700) | | |
| 芯片组 | Intel® H610 | | |
| 显示引擎 | New Intel® Xe Graphics architecture with SRIOV, Genlock | | |
| 显示接口 | 1 x HDMI 2.0 | | |
| 内存 | Two 260-pin 3200 MHz dual-channel DDR4 SO-DIMM (max. 64GB) | | |
| 触摸屏 | Multi-point projected capacitive type Surface hardness: ≥7H | | |
| 触控器 | Projected capacitive type: EETI 80 | | |
| 存储 | 1 x 2.5" SATA HDD bay | | |
| 网络 | LAN1: Intel® I225/I226 + LAN2: Intel® I225/I226 | | |
| 扩展 | 1 x PCIe Gen4 x16 slot with x16 signal 1 x M.2 E-Key 2230 (PCIe Gen3 x1 + CNVio + USB 2.0) 1 x M.2 M Key 2242/2280 NVMe (PCIe Gen3 x4) | | |
| 安装方式 | VESA 100mm x 100mm Panel, Wall, Rack, Stand and Arm | | |
| 结构材质 | Aluminum front cover and sheet metal rear cover | | |
| 外壳颜色 | Black C | | |
| I/O 接口, 开关和按钮 | 1 x HDMI 2.0 2 x 2.5GbE RJ45 2 x USB 2.0 (Type-A) 2 x USB 3.2 Gen1 (Type-A) (5Gb/s) 2 x USB 3.2 Gen2 (Type-A) (10Gb/s) 1 x RS-232/422/485 (RS-485 support AFC) | | |
| 电源 | 4 x RS-232 1 x AC input 1 x Power switch 1 x Clear CMOS button 1 x Reset button 1 x AT/ATX switch | | |
| 散热方案 | AC input ATX power supply 250W power supply - Input: 100V~240V AC, 47Hz-63Hz - Output (max.): 3.3V@6A, 5V@12A, 12V@17A, -12V@0.5A,+5Vsb@2A Support AT/ATX mode ErP/EuP Compliant | | |
| TPM | Smart fan (2 x CPU fan, 2 x System fan) | | |
| 看门狗 | Intel® Platform Trust Technology | | |
| 工作温度(有风流) | Software Programmable Support 1~255 sec. system reset | | |
| 存储温度 | -10°C ~ 60°C | | |
| 湿度 | -20°C ~ 60°C | | |
| IP 等级 | 10% ~ 95%@40, non-condensing | | |
| 工作震动 | IP 65 compliant front panel | | |
| 工作冲击 | MIL-STD-810G 514.6C-1 (with SSD) | | |
| 安规&EMC | Half-sine wave shock 5G; 11ms; 100 shocks per axis | | |
| ErP | CE, FCC Class A, UKCA | | |
| 尺寸(H x W x D) (mm) | ErP 2009/125/EC | | |
| 净重 | 468.80 x 288.20 x 82 | | |
| | 447.4 x 372.4 x 82.2 | | |
| | 550.40 x 358.40 x 81.66 | | |
| | 6.965 kg | | |
| | 7.66 kg | | |
| | 8.205 kg | | |

重工业平板电脑

Intel® Core™ Desktop Processors




| LCD 尺寸 | | 15" | 17" |
|--------|---------------------------|---|----------------------|
| 型号 | | PPC-F15A-H81 | PPC-F17A-H81 |
| LCD | LCD 显示 | 15" (4:3) | 17" (5:4) |
| | 最大规格 | 1024 (W) x 768 (H) | 1280 (W) x 1024 (H) |
| | 背光亮度 (cd/m ²) | 450 | 350 |
| | 对比度 | 800 : 1 | 800 : 1 |
| | LCD 颜色 | 16.2M | 16.7M |
| | 像素间距 (mm) | 0.297 x 0.297 | 0.26 x 0.26 |
| | 可视角度 (H-V) | 160° / 150° | 170° / 160° |
| | 背光 MTBF (hrs) | 70000 | 50000 |
| 主板 | SBC 型号 | FPPCMB-H81-R10 | |
| | CPU | LGA1150 Intel® 4th generation Core™ i7/i5, Pentium® or Celeron® processor with up to 65W TDP | |
| | 芯片组 | Intel® H81 | |
| | RAM | Support 2 x 204-pin 1066/1333/1600 MHz dual-channel DDR3 SO-DIMM slots (max. 16GB) | |
| 触摸 | 触摸屏 & 触控器 | 5-wire resistive single touch window, 3H/Penmount 9000 (Anti-glare Surface) 10-point Projected capacitive touch window, 6H/EETI EXC3188 (Anti-UV, Anti-glare Surface) | |
| 输入接口 | I/O 接口 & 开关 | 2 x RJ-45 LAN Port 2 x USB 3.2 Gen 1 (5Gb/s) 4 x USB 2.0 1 x HDMI output 4 x RS-232 1 x RS-422/485 1 x MIC-in 1 x Line-out | |
| | 扩展 | 1 x Full-size/half-size PCIe Mini card (PCIe and USB signal) 1 x Full-size/half-size PCIe Mini card (PCIe, USB and mSATA signal) | |
| 无线局域网 | | 802.11 b/g/n (optional) | |
| 存储 | | 1 x 2.5" HDD/SSD drive bay 1 x mSATA | |
| 物理结构 | 结构材质 | Aluminum front cover and sheet metal rear cover | |
| | 安装方式 | Panel mount, rack mount, 100x100 VESA mount | |
| | 外壳颜色 | Black C | |
| | 尺寸 (mm) | 303 x 378.5 x 68.7 | 341.4 x 408.4 x 73.8 |
| | 切口尺寸 (mm) | 285.6 x 361.1 | 323 x 390 |
| | 净重/毛重 (kg) | 5.6/ 8.3 | 7.5/10.7 |
| 环境 | 工作温度(有风流) | -10°C ~ 50°C | |
| | 存储温度 | -20°C ~ 60°C | |
| | 湿度 | 10% to 95% (non-condensing) | |
| | IP 等级 | Front IP 65 | |
| | 安规 & EMC | CE & FCC certified | |
| 电源 | AC 输入 | AC input ATX power supply - P/N: 63030-010220-100-RS - 220W power supply - Input: 90VAC-264VAC, 50/60Hz - Output (max.): 3.3V@10A, 5V@14A, 12V@14A, -12V@0.3A | |
| 功耗 | | 80W | 100W |

重工业平板电脑

Intel® Core™ Mobile Processors



| LCD 尺寸 | 10.4" | 12.1" | 13.3" |
|----------------|--|--|--|
| 型号 | PPC2-C104-ADLP | PPC2-C121-ADLP | PPC2-CW133-ADLP |
| 规格 (WxH) | 800 x 600 (4:3) | 1024 x 768 (4:3) | 1920 x 1080 (16:10) |
| 背光亮度 | 400 cd/m ² | 500 cd/m ² | 350 |
| 对比度 | 700:1 | 1000:1 | 1000:1 |
| LCD 颜色 | 16.2M | 16.2M | 16.7M |
| 可视角度 (H-V) | 160°/140° | 178°/178° | 176°/176° |
| 背光 MTBF | 30,000 hours | 30,000 hours | 30,000 hours |
| CPU (SoC) | Support 12th/13th Generation Intel® Alder Lake-P Core™ i7/i5/i3 Processor | | |
| 内存 | On-board dual-channel LPDDR4x 8GB (system max. 32GB) | | |
| 触摸屏 | PCAP with USB interface (anti-UV/AG coating) | | |
| 触控器 | Surface hardness: ≥7H Projected capacitive type: EETI 80 | | |
| 网络 | LAN1: Intel® I225V/I226V 2.5GbE controller LAN2: Intel® I225-LM/I226-LM 2.5GbE controller (support Intel® AMT) | | |
| 扩展 | 1 x M.2 M key 2242 (PCIe Gen4 x4) 1 x M.2 M key 2280 (PCIe Gen4 x4) | | |
| 安装方式 | VESA 100, Panel, Wall, Rack, Stand and Arm | | |
| 结构材质 | Aluminum front cover and sheet metal rear cover | | |
| 外壳颜色 | Silver+Black | | |
| I/O接口 & 开关 | 2 x RS-232 by DB9 1 x HDMI output 2 x USB 3.2 Gen2 2 x RS-232/422/485 by DB9 1 x 12V DC jack 2 x USB 3.2 Gen1 2 x 2.5GbE LAN 1 x Power button 1 x USB 2.0 1 x Reset button 1 x AT/ATX switch | 2 x RS-232 by DB9 1 x HDMI output 2 x USB 3.2 Gen2 2 x RS-232/422/485 by DB9 1 x 12V DC jack 2 x USB 3.2 Gen1 2 x 2.5GbE LAN 1 x Power button 1 x USB 2.0 1 x Reset button 1 x AT/ATX switch | 2 x RS-232 by DB9 1 x HDMI output 2 x USB 3.2 Gen2 2 x RS-232/422/485 by DB9 1 x 12V DC jack 2 x USB 3.2 Gen1 2 x 2.5GbE LAN 1 x Power button 1 x USB 2.0 1 x Reset button 1 x AT/ATX switch |
| 散热方式 | Fanless | | |
| 电源输入 | 12V DC | | |
| 功耗 | 12V@4.72A (Intel® Core™ i7-1270PE with 8GB LPDDR4) | 12V@5.09A (Intel® Core™ i7-1270PE with 8GB LPDDR4) | 12V@5.12A (Intel® Core™ i7-1270PE with 8GB LPDDR4) |
| TPM | Intel® Platform Trust Technology | | |
| 看门狗 | Software Programmable support 1~255 sec. system reset | | |
| 工作温度(有风流) | -10°C ~ 50°C | -10°C ~ 50°C | -10°C ~ 50°C |
| 存储温度 | -20°C ~ 60°C | -20°C ~ 60°C | -20°C ~ 60°C |
| 湿度 | 10% ~ 95%@40°C, non-condensing | | |
| IP 等级 | IP65 compliant front panel | | |
| 安规 & EMC | CE, FCC Class A, UKCA | | |
| 工作震动 | MIL-STD-810G 514.6C-1(with SSD) | | |
| 工作冲击 | Half-sine wave shock 5G; 11ms; 100 shocks per axis | | |
| 尺寸 (H x W x D) | 285.20 x 232.40 x 57.50 (mm) | 322.20 x 262.20 x 59.8 (mm) | 327.70 x 203.33 x 69.6 (mm) |
| 净重 | 2.56 kg | 2.97 kg | 1.935 kg |
| ErP | ErP 2009/125/EC | | |
| OS | Windows 10/11 IoT, Linux | | |

重工业平板电脑

Intel® Core™ Mobile Processors



| LCD 尺寸 | 15" | 15.6" | 17" |
|----------------|--|--|--|
| 型号 | PPC2-C150-ADLP | PPC2-CW156-ADLP | PPC2-C170-ADLP |
| 规格 (WxH) | 1024 x 768 (4:3) | 1920 x 1080 (16:9) | 1280 x 1024 (5:4) |
| 背光亮度 | 400 cd/m ² | 450 cd/m ² | 350 cd/m ² |
| 对比度 | 800:1 | 800:1 | 800:1 |
| LCD 颜色 | 16.2M | 16.2M | 16.7M |
| 可视角度 (H-V) | 176°/176° | 178°/178° | 170°/160° |
| 背光 MTBF | 70,000 hours | 50,000 hours | 50,000 hours |
| CPU (SoC) | Support 12th/13th Generation Intel® Alder Lake-P Core™ i7/i5/i3 Processor | | |
| 内存 | On-board dual-channel LPDDR4x 8GB (system max. 32GB) | | |
| 触摸屏 | PCAP with USB interface (anti-UV/AG coating) | | |
| 触控器 | Surface hardness: ≥7H Projected capacitive type: EETI 80 | | |
| 网络 | LAN1: Intel® I225V/I226V 2.5GbE controller LAN2: Intel® I225-LM/I226-LM 2.5GbE controller (support Intel® AMT) | | |
| 扩展 | 1 x M.2 M key 2242 (PCIe Gen4 x4) 1 x M.2 M key 2280 (PCIe Gen4 x4) | | |
| 安装方式 | VESA 100, Panel, Wall, Rack, Stand and Arm | | |
| 结构材质 | Aluminum front cover and sheet metal rear cover | | |
| 外壳颜色 | Silver+Black | | |
| I/O 接口, 开关 | 2 x RS-232 by DB9 1 x HDMI output 2 x USB 3.2 Gen2 2 x RS-232/422/485 by DB9 1 x 12V DC Jack 2 x USB 3.2 Gen1 2 x 2.5GbE LAN 1 x Power button 1 x USB 2.0 1 x Reset button 1 x AT/ATX switch | 2 x RS-232 by DB9 1 x HDMI output 2 x USB 3.2 Gen2 2 x RS-232/422/485 by DB9 1 x 12V DC Jack 2 x USB 3.2 Gen1 2 x 2.5GbE LAN 1 x Power button 1 x USB 2.0 1 x Reset button 1 x AT/ATX switch | 2 x RS-232 by DB9 1 x HDMI output 2 x USB 3.2 Gen2 2 x RS-232/422/485 by DB9 1 x 12V DC Jack 2 x USB 3.2 Gen1 2 x 2.5GbE LAN 1 x Power button 1 x USB 2.0 1 x Reset button 1 x AT/ATX switch |
| 散热方式 | Fanless | | |
| 电源输入 | 12V DC | | |
| 功耗 | 12V@5.56A (Intel® Core™ i7-1270PE with 8GB LPDDR4) | 12V@5.86A (Intel® Core™ i7-1270PE with 8GB LPDDR4) | 12V@4.63A (Intel® Core™ i7-1270PE with 8GB LPDDR4) |
| TPM | Intel® Platform Trust Technology | | |
| 看门狗 | Software Programmable support 1~255 sec. system reset | | |
| 工作温度(无风流) | -10°C ~ 50°C | -10°C ~ 50°C | -10°C ~ 50°C |
| 存储温度 | -20°C ~ 60°C | -20°C ~ 60°C | -20°C ~ 60°C |
| 湿度 | 10% ~ 95%@40°C, non-condensing | | |
| IP 等级 | IP65 compliant front panel | | |
| 安规 & EMC | CE, FCC Class A, UKCA | | |
| 工作震动 | MIL-STD-810G 514.6C-1(with SSD) | | |
| 工作冲击 | Half-sine wave shock 5G; 11ms; 100 shocks per axis | | |
| 尺寸 (H x W x D) | 375.80 x 303.00 x 61.00 (mm) | 400.10 x 253.30 x 66.25 (mm) | 408.40 x 341.40 x 66.00 (mm) |
| 净重 | 4.125 kg | 3.89 kg | 4.890 kg |
| ErP | ErP 2009/125/EC | | |
| OS | Windows 10/11 IoT, Linux | | |

重工业平板电脑

Intel® Core™ Mobile Processors



| LCD 尺寸 | 18.5" | 19" | 21.5" |
|----------------|--|--|--|
| 型号 | PPC2-CW185-ADLP | PPC2-C19-ADLP | PPC2-CW215-ADLP |
| 规格 (WxH) | 1920 x 1080 (16:9) | 1280 x 1024 (5:4) | 1920 x 1080 (16:9) |
| 背光亮度 | 350 cd/m ² | 450 cd/m ² | 350 cd/m ² |
| 对比度 | 1000:1 | 1000:1 | 1000:1 |
| LCD 颜色 | 16.2M | 16.2M | 16.7M |
| 可视角度 (H-V) | 170°/170° | 178°/178° | 178°/178° |
| 背光 MTBF | 50,000 hours | 50,000 hours | 50,000 hours |
| CPU (SoC) | Support 12th/13th Generation Intel® Alder Lake-P Core™ i7/i5/i3 Processor | | |
| 内存 | On-board dual-channel LPDDR4x 8GB (system max. 32GB) | | |
| 触摸屏 | PCAP with USB interface (anti-UV/AG coating) | | |
| 触控器 | Surface hardness: ≥7H Projected capacitive type: EETI 80 | | |
| 网络 | LAN1: Intel® I225V/I226V 2.5GbE controller LAN2: Intel® I225-LM/I226-LM 2.5GbE controller (support Intel® AMT) | | |
| 扩展 | 1 x M.2 M key 2242 (PCIe Gen4 x4) 1 x M.2 M key 2280 (PCIe Gen4 x4) | | |
| 安装方式 | VESA 100, Panel, Wall, Rack, Stand and Arm | | |
| 结构材质 | Aluminum front cover and sheet metal rear cover | | |
| 外壳颜色 | Silver+Black | | |
| I/O 接口 & 开关 | 2 x RS-232 by DB9 1 x HDMI output 2 x USB 3.2 Gen2 2 x RS-232/422/485 by DB9 1 x 12V DC jack 2 x USB 3.2 Gen1 2 x 2.5GbE LAN 1 x Power button 1 x USB 2.0 1 x Reset button 1 x AT/ATX switch | 2 x RS-232 by DB9 1 x HDMI output 2 x USB 3.2 Gen2 2 x RS-232/422/485 by DB9 1 x 12V DC jack 2 x USB 3.2 Gen1 2 x 2.5GbE LAN 1 x Power button 1 x USB 2.0 1 x Reset button 1 x AT/ATX switch | 2 x RS-232 by DB9 1 x HDMI output 2 x USB 3.2 Gen2 2 x RS-232/422/485 by DB9 1 x 12V DC jack 2 x USB 3.2 Gen1 2 x 2.5GbE LAN 1 x Power button 1 x USB 2.0 1 x Reset button 1 x AT/ATX switch |
| 散热方案 | Fanless | | |
| 电源输入 | 12V DC | | |
| 功耗 | 12V@5.60A (Intel® Core™ i7-1270PE with 8GB LPDDR4) | 12V@6.03A (Intel® Core™ i7-1270PE with 8GB LPDDR4) | 12V@5.87A (Intel® Core™ i7-1270PE with 8GB LPDDR4) |
| TPM | Intel® Platform Trust Technology | | |
| 看门狗 | Software Programmable support 1~255 sec. system reset | | |
| 工作温度(有风流) | -10°C ~ 50°C | -10°C ~ 50°C | -10°C ~ 50°C |
| 存储温度 | -20°C ~ 60°C | -20°C ~ 60°C | -20°C ~ 60°C |
| 湿度 | 10% ~ 95%@40°C, non-condensing | | |
| IP 等级 | IP65 compliant front panel | | |
| 安规 & EMC | CE, FCC Class A, UKCA | | |
| 工作震动 | MIL-STD-810G 514.6C-1(with SSD) | | |
| 工作冲击 | Half-sine wave shock 5G; 11ms; 100 shocks per axis | | |
| 尺寸 (H x W x D) | 468.80 x 288.2 x 67.8 (mm) | 447.40 x 372.4 x 67.26(mm) | 550.40 x 358.4 (mm) |
| 净重 | 5.05 kg | 5.635 kg | 6.48 kg |
| ErP | ErP 2009/125/EC | | |
| OS | Windows 10/11 IoT, Linux | | |

重工业平板电脑

Intel® Core™ Mobile Processors




| LCD 尺寸 | 15.6" | 18.5" | 21.5" |
|-------------------|--|-------------------------|-------------------------|
| 型号 | PPC2-CW156A-ADLP | PPC2-CW185A-ADLP | PPC2-CW215A-ADLP |
| 规格WxH) | 1920 x 1080 (16:9) | 1920 x 1080 (16:9) | 1920 x 1080 (16:9) |
| 背光亮度 | 450 cd/m ² | 350 cd/m ² | 350 cd/m ² |
| 对比度 | 800:1 | 1200:1 | 1000:1 |
| LCD 颜色 | 16.2M | 16.7M | 16.7M |
| 像素间距 (mm) | 0.179 x 0.179 | 0.21 x 0.21 | 0.248 x 0.248 |
| 可视角度 (H-V) | 178°/178° | 170°/170° | 178°/178° |
| 背光 MTBF | 50,000 hours | 50,000 hours | 50,000 hours |
| CPU (SoC) | 12th Gen. Intel® Alder Lake-P Core™ i7/i5/i3 processor 13th Gen. Intel® Raptor Lake-P Core™ i7/i5/i3 processor | | |
| 内存 | Two 260-pin 3200 MHz dual-channel DDR4 SO-DIMM (8GB pre-installed, up to 64GB) | | |
| 存储 | 1 x 2.5" SSD bay | | |
| 触摸屏 | PCAP with USB interface (anti-UV/AR coating) | | |
| 触控器 | EETI EXC 81 Series | | |
| 网络 | LAN1: I225-LM / I226-LM (support Intel AMT) LAN2: Intel® I225V/I226V | | |
| 扩展 | 2 x M.2 2280 M-key (PCIe4) 1 x M.2 3080 B-key (PCIe 1 or SATA) support IPMI function 1 x M.2 2230 E-key (PCIe 1 + USB) | | |
| I/O 接口&开关 | 1 x RS-232 by DB9 1 x RS-232/422/485/ AFC by DB9 2 x 2.5GbE LAN 1 x RJ45 for IPMI 4 x USB 3.2 Gen1 1 x HDMI output 1 x 12V DC jack 1 x Power button 1 x Reset button 1 x Clear CMOS button 1 x AT/ATX switch | | |
| 安装方式 | VESA 75/100 Panel, Wall, Rack, Stand and Arm | | |
| 结构材质 | Aluminum die casting+SECC | | |
| 外壳颜色 | Black | | |
| 电源输入 | 12V DC | | |
| 电源适配器 | 96W Power adapter | | |
| 散热方式 | Fanless | | |
| TPM | Intel® Platform Trust Technology | | |
| 电子狗 | Software Programmable support 1~255 sec. system reset | | |
| 工作温度(°C) (有风流) | -20°C ~ 60°C (60%RH) | | |
| 存储温度(°C) | -20°C ~ 70°C (70%RH) | | |
| 湿度 | 10 ~ 90RH (40°C@90RH) (non-condensing) | | |
| 工作震动 | Operation: Random Vibration Mode, MIL-STD-810G 514.6C-1 (with SSD) Non-OP (Sine Vibration Mode) IEC-60068-2-06 | | |
| 工作冲击 | Operation: IEC68-2-27 5 G, 11ms, 100 shocks Non-OP: IEC68-2-27 15 G, 11ms, 100 shocks | | |
| IP 等级 | Front panel IP65 compliant | | |
| 安规 & EMC | CE/EMC, FCC, UKCA | | |
| 尺寸 (H x W x D) | 400.10 x 253.30 x 68.35 | 468.80 x 288.20 x 69.30 | 550.40 x 358.40 x 68.90 |
| 净重 | 4.720KG | 5.87KG | 7.165kg |
| ErP | ErP 2009/125/EC | | |
| OS | Microsoft® Windows 10/11 IOT Linux | | |

重工业平板电脑

Intel® Celeron® Processors

intel
Elkhart Lake



| LCD 尺寸 | 8" | 10.4" | 12" |
|---------------------|--|--|---|
| 型号 | PPC2-C08-EHL | PPC2-C10-EHL | PPC2-C12-EHL |
| 规格 (WxH) | 800 x 600 (4:3) | 800 x 600 (4:3) | 1024 x 768 (4:3) |
| 背光亮度 | 500 cd/m ² | 400 cd/m ² | 500 cd/m ² |
| 对比度 | 500:1 | 700:1 | 1000:1 |
| LCD 颜色 | 262K | 16.2M | 16.2M |
| 像素间隙 (mm) | 0.2025 x 0.0675 | 0.264 x 0.264 | 0.24 x 0.24 |
| 可视角度 (H-V) | 140°/120° | 160°/140° | 178°/178° |
| 背光 MTBF | 50,000 hours | 30,000 hours | 30,000 hours |
| CPU (SoC) | Intel® Celeron® Processor J6412 1.5M Cache, up to 2.60 GHz / TDP 10W | | |
| 内存 | Dual channel LPDDR4x 8GB on board (up to 16GB) | | |
| 触摸屏 | Multi-point projected capacitive type (anti-UV / anti-glare coating, support gloves) Surface hardness: ≥7H | | |
| 触控屏 | Projected capacitive type: EETI 80 | | |
| 存储 | N/A | N/A | 1 x 2.5" HDD/SSD drive bay |
| 网络 | 2 x 2.5GbE LAN via Intel I225-V/I226-V | | |
| 扩展 | 1 x M.2 2242/2280 B key (PCIe Gen3 x1 + USB 3.0) 1 x M.2 2242 M key (PCIe Gen3 x2) | | |
| 安装方式 | VESA 75 Panel, Wall, Stand and Arm | VESA 75/100 Panel, Wall, Rack, Stand and Arm | |
| 结构材质 | Aluminum front cover and sheet metal rear cover | | |
| 外壳颜色 | Black | | |
| I/O 接口、开关和按钮 | 1 x HDMI output 2 x RJ-45 2.5GbE 2 x USB 3.2 Gen 2x1 (10Gb/s) 2 x USB 2.0 1 x RS-232/422/485 1 x RS-232 1 x 12V-24V power jack 1 x Power terminal block (2-pin) 1 x AT/ATX switch 1 x Power button 1 x Reset button 1 x Clear CMOS button | 1 x HDMI output 2 x 2.5GbE RJ-45 2 x USB 3.2 Gen 2x1 (10Gb/s) 2 x USB 2.0 1 x RS-232/422/485 1 x RS-232 1 x 12V-24V power jack 1 x Power terminal block (2-pin) 1 x AT/ATX switch 1 x Power button 1 x Reset button 1 x Clear CMOS button PPC2-XIO-03-R10: 1 x RS-232 DB9 1 x M.2 B key 2242/2280 (PCIe Gen3 x 2 + USB 2.0) | 1 x HDMI output 2 x 2.5GbE RJ-45 2 x USB 3.2 Gen 2x1 (10Gb/s) 2 x USB 2.0 1 x RS-232/422/485 1 x RS-232 1 x 12V-24V power jack 1 x Power terminal block (2-pin) 1 x AT/ATX switch 1 x Power button 1 x Reset button 1 x Clear CMOS button PPC2-XIO-01-R10: 2 x USB 2.0 2 x RS-232 DB9 1 x M.2 B key 2242/2280 (PCIe Gen3 x 2 + USB 2.0) |
| 电源输入 | 12 V ~ 24 V DC | | |
| 电源适配器 | 60W power adapter | 60W power adapter | 60W power adapter |
| 散热方式 | Fanless | | |
| TPM | Intel® Platform Trust Technology | | |
| 看门狗 | Software Programmable support 1~255 sec. system reset | | |
| 工作温度(有风流) | -10°C ~ 60°C | | |
| 存储温度 | -20°C ~ 60°C | | |
| 湿度 | 10% ~ 90%@40°C, non-condensing | | |
| 工作震动 | MIL-STD-810G 514.6C-1 (with SSD) | | |
| 工作冲击 | Half-sine wave shock 5G; 11ms; 100 shocks per axis | | |
| IP 等级 | IP 65 compliant front panel | | |
| 安规 & EMC | CE, FCC Class A | | |
| ErP | ErP 2009/125/EC | | |
| 尺寸 (H x W x D) (mm) | 222.2 x 182.2 x 49.7 | 285.2 x 232.4 x 49.9 | 322.2 x 262.2 x 53 |
| 净重 | 1.610KG | 2.335KG | 3.095KG |

重工业平板电脑

Intel® Celeron® Processors




| LCD 尺寸 | 12.3" | 13.3" | 15" | 15.6" |
|---------------------|--|---|---|---|
| 型号 | PPC2-CW123-EHL | PPC2-CW133-EHL | PPC2-C15-EHL | PPC2-CW15-EHL |
| 规格 (WxH) | 1920 x 720 (8:3) | 1920 x 1080 (16:9) | 1024 x 768 (4:3) | 1920 x 1080 (16:9) |
| 背光亮度 | 850 cd/cm ² | 350cd/cm ² | 400 cd/m ² | 400cd/m ² |
| 对比度 | 1500:1 | 1000:1 | 2500:1 | 500:1 |
| LCD 颜色 | 16.7M | 16.7M | 16.2M | 16.2M |
| 像素间距 (mm) | 0.152 x 0.152 | 0.153 x 0.153 | 0.297 x 0.297 | 0.252 x 0.252 |
| 可视角度 (H-V) | 170°/170° | 176°/176° | 176°/176° | 170°/160° |
| 背光 MTBF | 30,000 hours | 30,000 hours | 70,000 hours | 50,000 hours |
| CPU (SoC) | Intel® Celeron® Processor J6412 1.5M Cache, up to 2.60 GHz / TDP 10W | | | |
| 内存 | Dual channel LPDDR4x 8GB on board (up to 16GB) | | | |
| 触摸屏 | Multi-point projected capacitive type (anti-UV / anti-glare coating, support gloves) Surface hardness: ≥7H | | | |
| 触控器 | Projected capacitive type: EETI 80 | | | |
| 存储 | - | - | 1 x 2.5" HDD/SSD drive bay | 1 x 2.5" HDD/SSD drive bay |
| 网络 | 2 x 2.5GbE LAN via Intel I225-V/i226-V | | | |
| 扩展 | 1 x M.2 2242/2280 B key (PCIe Gen3 x1 + USB 3.0) 1 x M.2 2242 M key (PCIe Gen3 x2) | | | |
| 安装方式 | VESA 75 mm x 75 mm Panel, Wall, Stand and Arm | VESA 75 mm x 75 mm Panel, Wall, Rack, Stand and Arm | VESA 75/100 Panel, Wall, Rack, Stand and Arm | VESA 75/100 Panel, Wall, Rack, Stand and Arm |
| 结构材质 | Aluminum front cover and sheet metal rear cover | | | |
| 外壳颜色 | Black | | | |
| I/O 接口、开关和按钮 | 1 x HDMI output 2 x RJ-45 2.5GbE 2 x USB 3.2 Gen 2x1 (10Gb/s) 2 x USB 2.0 1 x RS-232/422/485 1 x RS-232 1 x 12V-24V power jack 1 x Power terminal block (2-pin) 1 x AT/ATX switch 1 x Power button 1 x Reset button 1 x Clear CMOS button | 1 x HDMI output 2 x RJ-45 2.5GbE 2 x USB 3.2 Gen 2x1 (10Gb/s) 2 x USB 2.0 1 x RS-232/422/485 1 x RS-232 1 x 12V-24V power jack 1 x Power terminal block (2-pin) 1 x AT/ATX switch 1 x Power button 1 x Reset button 1 x Clear CMOS button PPC2-XIO-01-R10: 2 x USB 2.0 2 x RS-232 DB9 1 x M.2 B key 2242/2280 (PCIe Gen3 x 2 + USB 2.0) | 1 x HDMI output 2 x 2.5GbE RJ-45 2 x USB 3.2 Gen 2x1 (10Gb/s) 2 x USB 2.0 1 x RS-232/422/485 1 x RS-232 1 x 12V-24V power jack 1 x Power terminal block (2-pin) 1 x AT/ATX switch 1 x Power button 1 x Reset button 1 x Clear CMOS button PPC2-XIO-04-R10: 2 x USB 2.0 3 x RS-232 1 x M.2 A Key 2230 (PCIe gen3 x 2 + USB2.0) | |
| 电源输入 | 12 V ~ 24 V DC | | | |
| 电源适配器 | 60W power adapter | 60W power adapter | 90W power adapter | 90W power adapter |
| 散热方式 | Fanless | | | |
| TPM | Intel® Platform Trust Technology | | | |
| 看门狗 | Software Programmable support 1~255 sec. system reset | | | |
| 工作温度(有风流) | -10°C ~ 50°C | -10°C ~ 60°C | -10°C ~ 60°C | -10°C ~ 60°C |
| 存储温度 | -20°C ~ 60°C | | | |
| 湿度 | 10% ~ 90%@40°C, non-condensing | | | |
| 工作震动 | MIL-STD-810G 514.6C-1 (with SSD) | | | |
| 工作冲击 | Half-sine wave shock 5G; 11ms; 100 shocks per axis | | | |
| IP 等级 | IP 65 compliant front panel | | | |
| 安规 & EMC | CE, FCC Class A | | | |
| ErP | ErP 2009/125/EC | | | |
| 尺寸 (H x W x D) (mm) | 323.43 x 147.91 x 52.50 | 327.70 x 203.33 x 61.50 | 378.5 x 303 x 53.2 | 400.10 x 253.30 x 58.45 |
| 净重 | 2.03KG | 2.28KG | 3.895KG | 3.86 KG |

重工业平板电脑

Intel® Celeron® Processors




| LCD 尺寸 | 17" | 19" | 18.5" | 21.5" |
|---------------------|--|-------------------------|--|-------------------------|
| 型号 | PPC2-C17-EHL | PPC2-C19-EHL | PPC2-CW19-EHL | PPC2-CW22-EHL |
| 规格 (WxH) | 1280 x 1024 (5:4) | 1280 x 1024 (5:4) | 1920 x 1080 (16:9) | 1920 x 1080 (16:9) |
| 背光亮度 | 350 cd/m ² | 450 cd/m ² | 350cd/m ² | 350cd/m ² |
| 对比度 | 800:1 | 1000:1 | 1200:1 | 1000:1 |
| LCD 颜色 | 16.7M | 16.7M | 16.7M | 16.7M |
| 像素间距 (mm) | 0.26 x 0.26 | 0.294 x 0.294 | 0.213 x 0.213 | 0.248 x 0.248 |
| 可视角度 (H-V) | 160°/140° | 178°/178° | 170°/170° | 178°/178° |
| 背光 MTBF | 50,000 hours | 50,000 hours | 50,000 hours | 50,000 hours |
| SBC 型号 | PPC2MB2-EHL-RC-R10+PPC2-XIO-04-R10 | | | |
| CPU (SoC) | Intel® Celeron® Processor J6412 1.5M Cache, up to 2.60 GHz / TDP 10W | | | |
| 内存 | Dual channel LPDDR4x 8GB on board (up to 16GB) | | | |
| 触摸屏 | Multi-point projected capacitive type (anti-UV / anti-glare coating, support gloves) Surface hardness: ≥7H | | | |
| 触控器 | Projected capacitive type: EETI 80 | | | |
| 存储 | 1 x 2.5" HDD/SSD drive bay | | | |
| 网络 | 2 x 2.5GbE LAN via Intel I225-V / I226-V | | | |
| 扩展 | 1 x M.2 2242/2280 B key (PCIe Gen3 x1 + USB 3.0) 1 x M.2 2242 M key (PCIe Gen3 x2) | | | |
| 安装方式 | VESA 75/100 Panel, Wall, Rack, Stand and Arm | | | |
| 结构材质 | Aluminum front cover and sheet metal rear cover | | | |
| 外壳颜色 | Black | | | |
| I/O 接口、开关和按钮 | 1 x HDMI output 2 x 2.5GbE RJ-45 2 x USB 3.2 Gen 2x1 (10Gb/s) 2 x USB 2.0 1 x RS-232/422/485 1 x RS-232 1 x 12V-24V power jack 1 x Power terminal block (2-pin) | | 1 x AT/ATX switch 1 x Power button 1 x Reset button 1 x Clear CMOS button PPC2-XIO-04-R10 2 x USB 2.0 3 x RS-232 1 x M.2 A Key 2230 (PCIe gen3 x 2 + USB2.0) | |
| 电源输入 | 12 V ~ 24 V DC | | | |
| 电源适配器 | 90W power adapter | | | |
| 散热方式 | Fanless | | | |
| TPM | Intel® Platform Trust Technology | | | |
| 看门狗 | Software Programmable support 1~255 sec. system reset | | | |
| 工作温度 (有风流) | -10°C ~ 60°C | -10°C ~ 50°C | -10°C ~ 50°C | -10°C ~ 50°C |
| 存储温度 | -20°C ~ 60°C | | | |
| 湿度 | 10% ~80%@40°C | | | |
| 工作震动 | MIL-STD-810G 514.6C-1 (with SSD) | | | |
| 工作冲击 | Half-sine wave shock 5G; 11ms; 100 shocks per axis | | | |
| IP 等级 | IP 65 compliant front panel | | | |
| 安规 & EMC | CE, FCC Class A | | | |
| ErP | ErP 2009/125/EC | | | |
| 尺寸 (H x W x D) (mm) | 408.40 x 341.40 x 61.80 | 447.40 x 372.40 x 59.20 | 468.80 x 288.20 x 59.40 | 550.40 x 358.40 x 58.50 |

重工业平板电脑

Intel® Celeron® Processors




| LCD 尺寸 | | 8" | 10.4" | 12" | 15" | 17" |
|--------|---------------------------|---|---|---|---------------------------|---------------------------|
| 型号 | | PPC-F08B-BT | PPC-F10B-BT | PPC-F12B-BT | PPC-F15B-BT | PPC-F17B-BT |
| LCD | 分辨率 (WxH) | 800 x 600 (4:3) | 800 x 600 (4:3) | 1024 x 768 (4:3) | 1024 x 768 (4:3) | 1280 x 1024 (5:4) |
| | 背光亮度 (cd/m ²) | 500 | 400 | 600 | 450 | 350 |
| | 对比度 | 500:1 | 700:1 | 700 : 1 | 800 : 1 | 800 : 1 |
| | LCD 颜色 | 16.2M | 16.2M | 16.2M | 16.2M | 16.7M |
| | 像素间距 (mm) | 0.2025 (H) x 0.0675 (V) | 0.264 (H) x 0.264 (V) | 0.24 x 0.24 | 0.297 x 0.297 | 0.26 x 0.26 |
| | 可视角度 (H-V) | 140° / 120° | 160° / 140° | 160° / 140° | 160° / 150° | 170° / 160° |
| | 背光 MTBF | 50,000 hours | 30,000 hours | 50,000 hours | 70,000 hours | 50,000 hours |
| 主板 | CPU | Intel® Celeron® J1900 quad-core on-board SoC, 2GHz | | Intel® Celeron® processor J1900 (2M cache, up to 2.42 GHz) | | |
| | RAM | 1 x 204-pin DDR3L SO-DIMM slots (max. 8GB) | | 2 x 204-pin DDR3L SO-DIMM slot (max. 8GB), pre-installed with 2GB | | |
| 触摸 | 触摸屏 & 触控器 | 5-wire resistive type flat touchscreen, PenMount DMC9000, 3H | | 5-wire resistive single touch window, 3H/Penmount DMC9000 (Anti-glare Surface) 10-point Projected capacitive touch window, 6H/EETI EXC3188 (Anti-UV, Anti-glare Surface) | | |
| 输入接口 | I/O 接口 & 开关 | 1 x RS-232 COM port (RJ-45 connector) | 1 x RS-232 COM port (RJ-45 connector) | 2 x RJ-45 LAN port | 2 x RJ-45 LAN port | 2 x RJ-45 LAN port |
| | | 1 x RS-232/422/485 COM port (DB-9 connector) (RI/5V/12V) | 1 x RS-232/422/485 COM port (DB9 connector) (RI/5V/12V) | 2 x USB 3.2 Gen 1 (5Gb/s) | 2 x USB 3.2 Gen 1 (5Gb/s) | 2 x USB 3.2 Gen 1 (5Gb/s) |
| 扩展 | | 1 x Full-size/half-size PCIe Mini slot (mSATA/PCIe/USB signal) | | 1 x Full-size PCIe Mini slot (mSATA/PCIe/USB signal) | | |
| | | 1 x Half-size PCIe Mini slot (PCIe signal only) | | 1 x Full-size/half-size PCIe Mini slot (PCIe/USB signal) | | |
| 无线局域网 | | 802.11 b/g/n (optional) | | 802.11 b/g/n (optional) | | |
| 存储 | SSD | mSATA | mSATA | - | - | - |
| | HDD | N/A | 1 x 2.5" HDD bay | - | - | - |
| 物理结构 | 安装方式 | Stand, panel mount, VESA 75x75 | Stand, panel mount, VESA 75x75/100x100 | Panel mount, rack mount, VESA 100x100 | | |
| | 外壳颜色 | Black C | | | | |
| | 尺寸 (mm) | 182.2 x 222.2 x 44 | 232.4 x 285.2 x 44 | 262.2 x 322.2 x 47.2 | 303 x 378.5 x 46.2 | 341.4 x 408.4 x 51.8 |
| | 净重 | 1.17 kg | 1.77 kg | 3.2 kg | 4.1 kg | 5 kg |
| | 切口尺寸 (mm) | 207 x 154 | 267.2 x 214.4 | 244.8 x 304.8 | 285.6 x 361 | 323 x 390 |
| 电源 | 工作温度 (有风流) | -10°C~50°C (14°F~122°F) | | | | |
| | 存储温度 | -20°C~60°C (-4°F~140°F) | | | | |
| | 湿度 | 10% to 95% (non-condensing) | | | | |
| | IP 等级 | IP 65 compliant front panel | | | | |
| | 安规 & EMC | CE & FCC Class A certified | | | | |
| 电源 | 电源适配器 | P/N: 63040-010036-210-RS, 36W Power Adapter Input: 90 - 264V AC, 50/60Hz Output: 12V DC | | P/N: 63040-010060-220-RS, 60W Power Adapter Input: 90 ~ 264V AC, 50/60Hz Output: 12V DC | | |
| | 电源 | 9 ~ 30V DC | | 9 V~36 V DC | | |
| | 功耗 | 28W | 34W | 40W | 41W | 42W |

UPC 系列

12.1" 坚固型 IP66 平板电脑

UPC系列工业平板电脑具有全面的IP66防水防尘性能、嵌入式天线和坚固的无风扇铝制外壳，非常适合物流、食品饮料和制药行业。



全方位 IP66 防护等级



铝压铸结构



M12 端口



无线/蓝牙/RFID



平板电脑外形紧凑，但具有丰富的I/O选项，可用于各种应用程序，允许用户根据需要定制界面。

| 型号 | UPC-F12M1-RPLP | |
|------|---------------------------|--|
| LCD | 尺寸 | 12.1" (4:3) |
| | 分辨率 (WxH) | 1024 x 768 |
| | 背光亮度 (cd/m ²) | 600 |
| | LCD 颜色 | 16.2M |
| | 像素间距 (mm) | 0.24 x 0.24 |
| | 对比度 | 1000 : 1 |
| | 可视角度 (H-V) | 178°/178° |
| | 背光 MTBF | 50,000 hours |
| 触摸 | 触摸屏 | PCAP with USB interface (anti-UV/AG coating) |
| | 触控器 | ILITEK: ILI2520 |
| 主板 | 处理器 | Intel® Raptor Lake-P Core™ i3-1315URE SoC Processor (15W) |
| | 内存 | Dual channel 8GB LPDDR4x on board (up to 32 GB) |
| | 网络 | LAN1: Intel® I226IT 2.5GbE controller LAN2: Intel® I226IT 2.5GbE controller |
| | 存储 | 1 x M.2 M key 2280 (PCIe Gen4 x4) |
| | 扩展 | 1 x M.2 B key 3042/3052/3080 (SATA & PCIe Gen4 x1 & USB 3.0) 1 x M.2 M key 2280 (PCIe Gen4 x4) |
| | I/O 接口 & 开关 | 2 x 8-pin M12A female connector for two USB 2.0 1 x 8-pin M12A female connector for COM (RS-232/422/485) 1 x 8-pin M12X female connector for GbE LAN (2.5G) I225LM 1 x 5-pin M12A female connector for CAN Bus 1 x 5-pin M12 male connector for DC jack / terminal (9V~36V DC) |
| 网络连接 | RFID | Reserved RFID antenna area (optional) |
| | 无线 & 蓝牙 | IEEE 802.11 a/b/g/n/x, Bluetooth V5.2 (optional) 1 x M.2 2230 E key Slot (PCIe + USB signal) |
| 物理结构 | 结构 | Aluminum die-casting |
| | 安装方式 | VESA 100mm x 100mm |
| | 净重 | 5kg |
| | 尺寸 (W x L x D) (mm) | 316 x 279 x 76 |
| 环境 | 工作温度 (有风流) | -20°C ~ 60°C |
| | 存储温度 | -20°C ~ 70°C |
| | 湿度 | 10% to 95% @40°C (non-condensing) |
| | 工作震动 | Half-sine wave shock 5G; 11ms; 100 shocks per axis |
| | 工作冲击 | MIL-STD-810F 514.5G-1 (with SSD) |
| | IP 等级 | Full IP66 |
| | 安规 & EMC | CE/FCC |
| | 散热方案 | Fanless |
| 电源 | 9 ~ 36V | |
| ErP | ErP 2009/125/EC | |
| OS | Windows 10/11 IoT; Linux | |



新一代工业显示器



前置OSD按键

前置OSD让您更加便捷快速的调整音量、亮度和开关机。



HDMI, VGA, DP 显示接口

DM2提供了三种独立显示接口, HDMI, VGA, and DP接口提供各种需求



防眩光和防紫外电容触摸屏

在强光下使用不受反射影响, 画面清晰可见, 支持多点触控



IP65 前面板防护

该系列具有IP65前面板防护等级, 更加坚固耐用, 确保在恶劣的工业环境中可靠运行。



内置摄像头

DM2系列配备了内置摄像头, 非常适合AI面部识别应用。



前端扬声器

扬声器位于前端, 即使安装在面板上也能保证清晰的声音传输。

新一代工业显示器



| LCD 尺寸 | 10.1" | 10.4" | 12.1" | 12.1" | 12.1" | 12.1" |
|--------------------------|--|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| 型号 | DM2-W101G(L) | DM2-104E(L) | DM2-121E(L) | DM2-121E(L)-HL | DM2-W121G(L) | DM2-W121G(L)-HL |
| 背光亮度(cd/m ²) | 400 | 350 | 500 | 1000 | 500 | 1000 |
| 分辨率(WxH) | 1280 x 800 (16:10) | 1024 x 768 (4:3) | 1024 x 768 (4:3) | 1024 x 768 (4:3) | 1280 x 800 (16:10) | 1280 x 800 (16:10) |
| 对比度 | 800 : 1 | 1000 : 1 | 1000 : 1 | 1000 : 1 | 1200 : 1 | 1000 : 1 |
| LCD 颜色 | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M |
| 可视角度(H-V) | 178°/178° | 176°/176° | 178°/178° | 178°/178° | 170°/170° | 170°/170° |
| 背光 MTBF (hrs) | 30,000 hours | 50,000 hours | 30,000 hours | 50,000 hours | 50,000 hours | 50,000 hours |
| 触摸屏 | 10-point projected capacitive touch window (anti-UV, anti-glare surface) | | | | | |
| 触控器 | Capacitive: iitek | | | | | |
| I/O 接口&开关 | 1 x VGA (DB-15) 1 x Line out 1 x HDMI 1 x DisplayPort 1.2 1 x USB 3.2 Gen1 Type-B 1 x 9V-36V DC jack 4 x USB 3.2 Gen1 Type-A * 1 x 3-pin terminal block | | | | | |
| OSD 按键 | 5-key membrane OSD keypad | | | | | |
| 摄像头 | 720P Wide Angle Fixed Focus* | | | | | |
| 音频 | 2 x 2W AMP (internal speaker)* | | | | | |
| 结构材质 | Aluminum front frame and sheet metal rear cover | | | | | |
| 安装方式 | Panel mount, rack mount, VESA 100 | | | | | |
| 外壳颜色 | Black+Silver | | | | | |
| 尺寸(LxWxH)(mm) | 251 x 180.95 x 49.30 | 256.60 x 208.20 x 49.30 | 279.86 x 237.50 x 49.3 | 279.86 x 237.50 x 49.3 | 298 x 218.59 x 49.30 | 298 x 218.59 x 49.30 |
| 开孔尺寸(mm) | 241.80 x 157.80 | 247.4 x 185 | 270.50 x 214.10 | 270.50 x 214.10 | 288.60 x 195.10 | 288.60 x 195.10 |
| 工作温度 | -20°C ~ 60°C (with air flow) | | | | | |
| 存储温度 | -20°C ~ 60°C | -20°C ~ 70°C | -20°C ~ 70°C | -20°C ~ 70°C | -20°C ~ 70°C | -20°C ~ 70°C |
| 湿度 | 10% to 95% @ 40°C (non-condensing) (50% @ 60°C) | | | | | |
| 震动 | MIL-STD-810F 514.5C-1 | | | | | |
| 冲击 | Operating: Half-sine wave shock 5G; 11ms; 100 shocks per axis Non-operating: Half-sine wave shock 15G; 11ms; 100 shocks per axis | | | | | |
| IP 等级 | IP 65 compliant front panel | | | | | |
| 安规 & EMC | CE/FCC/UKCA Class B | | | | | |
| 电源输入 | 9~36V DC | | | | | |
| 净重/毛重 | 1.52kg / 2kg | 2.85kg / 3.4kg | 2.23kg / 3.2kg | 2.23kg / 3.2kg | 2.28kg / 4kg | 2.28kg / 4kg |
| 功耗 | 12V@4.4A / 12V@1.1A(Lite Version) | 12V@4.7A / 12V@1.4A(Lite Version) | 12V@5.1A / 12V@1.7A(Lite Version) | 12V@5.1A / 12V@2.1A(Lite Version) | 12V@5.7A / 12V@2.3A(Lite Version) | 12V@5.7A / 12V@2.3A(Lite Version) |

*L (Lite) sku without camera, speaker and four USB Type-A

新一代工业显示器



| LCD 尺寸 | 12.3" | 13.3" | 15" | 15.6" | 17" |
|---------------------------|---|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 型号 | DM2-UW123J(L) | DM2-W133K(L) | DM2-150E(L) | DM2-W156K(L) | DM2-170H(L) |
| 背光亮度 (cd/m ²) | 850 | 350 | 400 | 450 | 350 |
| 分辨率(WxH) | 1920 x 720 (8:3) | 1920 x 1080 (16:9) | 1024 x 768 (4:3) | 1920 x 1080 (16:9) | 1280 x 1024 (5:4) |
| 对比度 | 1500 : 1 | 1000 : 1 | 2500 : 1 | 800 : 1 | 800 : 1 |
| LCD 颜色 | 16.7M | 16.7M | 16.7M | 16.2M | 16.7M |
| 可视角度 (H-V) | 170°/170° | 176°/176° | 176°/176° | 178°/178° | 160°/140° |
| 背光 MTBF (hrs) | 30,000 hours | 30,000 hours | 70,000 hours | 50,000 hours | 50,000 hours |
| 触摸屏 | 10-point projected capacitive touch window (anti-UV, anti-glare surface) | | | | |
| 触控器 | Capacitive: ilitek | | | | |
| I/O 接口&开关 | 1 x VGA (DB-15) 1 x Line out 1 x HDMI 1 x DisplayPort 1.2 1 x USB 3.2 Gen1 Type-B 1 x 9V-36V DC jack 4 x USB 3.2 Gen1 Type-A* 1 x 3-pin terminal block | | | | |
| OSD 按键 | 5-key membrane OSD keypad | | | | |
| 摄像头 | 720P Wide Angle Fixed Focus* | | | | |
| 音频 | 2 x 2W AMP (internal speaker)* | | | | |
| 结构材质 | Aluminum front frame and sheet metal rear cover | | | | |
| 安装方式 | Panel mount, rack mount, VESA 100 | | | | |
| 外壳颜色 | Black+Silver | | | | |
| 尺寸(LxWxH) (mm) | 326.60 x 160.60 x 49.4 | 333.04 x 215.88 x 51.41 | 353.80 x 287.08 x 50.30 | 391.50 x 250 x 49.6 | 385.60 x 331.60 x 50.50 |
| 开孔尺寸(mm) | 310.80 x 141.00 | 314.34 x 193.55 | 335.60 x 264.88 | 373.30 x 269 | 367.40 x 309.60 |
| 工作温度 | -20°C ~ 60°C (with air flow) | | | | |
| 存储温度 | -20°C ~ 70°C | | | | |
| 湿度 | 10% to 95% @40°C (non-condensing) (50% @60°C) | | | | |
| 震动 | MIL-STD-810F 514.5C-1 | | | | |
| 冲击 | Operating: Half-sine wave shock 5G; 11ms; 100 shocks per axis Non-operating: Half-sine wave shock 15G; 11ms; 100 shocks per axis | | | | |
| IP 等级 | IP 65 compliant front panel | | | | |
| 安规 & EMC | CE/FCC/UKCA Class B | | | | |
| 电源输入 | 9~36V DC | | | | |
| 净重/毛重 | 1.90kg / 3.4kg | 2.28kg / 4kg | 3.24kg / 5.4kg | 3.30kg / 5.4kg | 4.34kg / 6.2kg |
| 功耗 | 12V@5.2A / 12V@1.9A(Lite Version) | 12V@4.8A / 12V@1.5A(Lite Version) | 12V@4.9A / 12V@1.6A(Lite Version) | 12V@5.3A / 12V@1.9A(Lite Version) | 12V@5.2A / 12V@1.8A(Lite Version) |

*L (Lite) sku without camera, speaker and four USB Type-A

新一代工业显示器



| LCD 尺寸 | 19" | 18.5" | 21.5" | 23.8" |
|---------------------------|---|---|---|---|
| 型号 | DM2-190H(L) | DM2-W185K(L) | DM2-W215K(L) | DM2-W238K(L) |
| 背光亮度 (cd/m ²) | 450 | 350 | 350 | 350 |
| 分辨率 (WxH) | 1280 x 1024 (5:4) | 1920 x 1080 (16:9) | 1920 x 1080 (16:9) | 1920 x 1080 (16:9) |
| 对比度 | 1000 : 1 | 1200 : 1 | 1000 : 1 | 1000 : 1 |
| LCD 颜色 | 16.7M | 16.7M | 16.7M | 16.7M |
| 可视角度 (H-V) | 178°/178° | 170°/170° | 178°/178° | 178°/178° |
| 背光 MTBF (hrs) | 50,000 hours | 50,000 hours | 50,000 hours | 30,000 hours |
| 触摸屏 | 10-point projected capacitive touch window (anti-UV, anti-glare surface) | | | |
| 触控器 | Capacitive: iitek | | | |
| I/O 接口&开关 | 1 x VGA (DB-15) 1 x Line out 1 x HDMI 1 x DisplayPort 1.2 1 x USB 3.2 Gen1 Type-B 1 x 9V-36V DC jack 4 x USB 3.2 Gen1 Type-A* 1 x 3-pin terminal block | 1 x VGA (DB-15) 1 x Line out 1 x HDMI 1 x DisplayPort 1.2 1 x USB 3.2 Gen1 Type-B 1 x 9V-36V DC jack 4 x USB 3.2 Gen1 Type-A* 1 x 3-pin terminal block | 1 x VGA (DB-15) 1 x Line out 1 x HDMI 1 x DisplayPort 1.2 1 x USB 3.2 Gen1 Type-B 1 x 9V-36V DC jack 4 x USB 3.2 Gen1 Type-A* 1 x 3-pin terminal block | 1 x VGA (DB-15) 1 x Line out 1 x HDMI 1 x DisplayPort 1.2 1 x USB 3.2 Gen1 Type-B 1 x 9V-36V DC jack 4 x USB 3.2 Gen1 Type-A* 1 x 3-pin terminal block |
| OSD 按键 | 5-key membrane OSD keypad | | | |
| 摄像头 | 720P Wide Angle Fixed Focus* | | | |
| 音频 | 2 x 2W AMP (internal speaker)* | | | |
| 结构材质 | Aluminum front frame and sheet metal rear cover | | | |
| 安装方式 | Panel mount, rack mount, VESA 100 | | | |
| 外壳颜色 | Black+Silver | | | |
| 尺寸 (LxWxH) (mm) | 424.50 x 361.57 x 51.2 | 458.40 x 288.80 x 50.50 | 519.40 x 327.00 x 50.50 | 571.40 x 354.50 x 51.20 |
| 开孔尺寸 (mm) | 406.30 x 337.57 | 438.20 x 262.80 | 501 x 302 | 553.20 x 332.50 |
| 工作温度 | -20°C ~ 60°C (with air flow) | -20°C ~ 60°C (with air flow) | 0°C ~ 50°C (with air flow) | 0°C ~ 50°C (with air flow) |
| 存储温度 | -20°C ~ 70°C | -20°C ~ 70°C | -20°C ~ 60°C | -20°C ~ 60°C |
| 湿度 | 10% to 95%@40°C (non-condensing) (50%@60°C) | | | |
| 震动 | MIL-STD-810F 514.5C-1 | | | |
| 冲击 | Operating:Half-sine wave shock 5G; 11ms; 100 shocks per axis Non-operating:Half-sine wave shock 15G; 11ms; 100 shocks per axis | Operating:Half-sine wave shock 5G; 11ms; 100 shocks per axis Non-operating:Half-sine wave shock 10G; 11ms; 100 shocks per axis | Operating:Half-sine wave shock 5G; 11ms; 100 shocks per axis Non-operating:Half-sine wave shock 15G; 11ms; 100 shocks per axis | Operating:Half-sine wave shock 5G; 11ms; 100 shocks per axis Non-operating:Half-sine wave shock 10G; 11ms; 100 shocks per axis |
| IP 等级 | IP 65 compliant front panel | | | |
| 安规 & EMC | CE/FCC/UKCA Class B | | | |
| 电源输入 | 9~36V DC | | | |
| 净重/毛重 | 5.05kg / 7.8kg | 4.64kg / 7.2kg | 5.53kg / 8.6kg | 6.50kg / 9.4kg |
| 功耗 | 12V@5.8A / 12V@2.5A (Lite Version) | 12V@5.3A / 12V@2.0A(Lite Version) | 12V@5.4A / 12V@2.1A(Lite Version) | 12V@5.7A / 12V@2.3A(Lite Version) |

*L (Lite) sku without camera, speaker and four USB Type-A

工业显示器



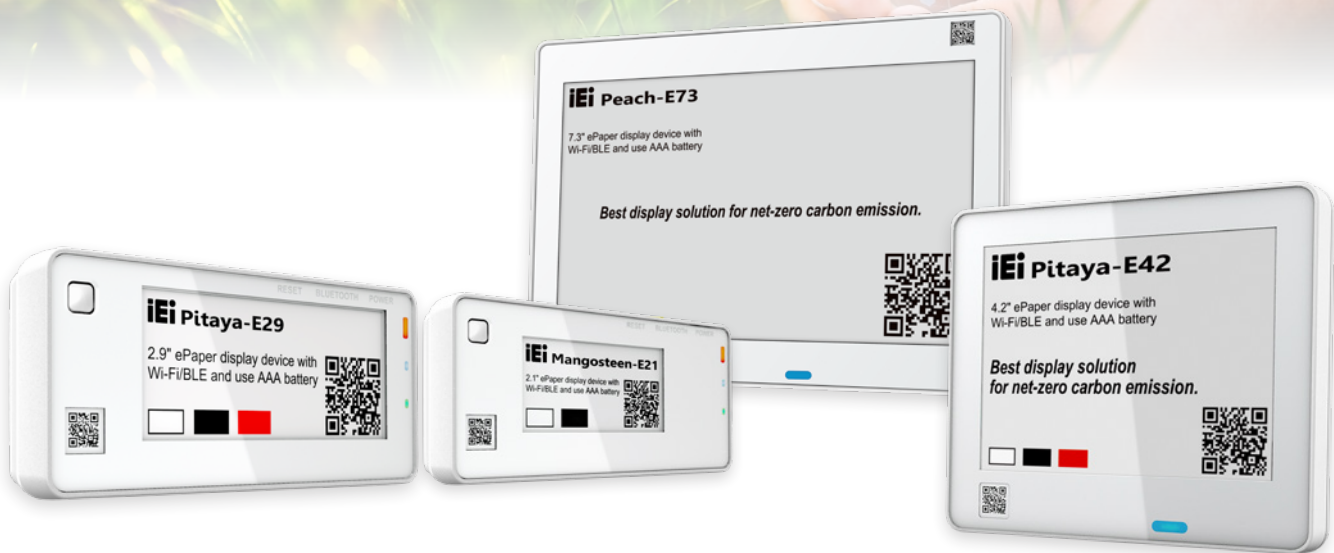
| LCD Size | | 8" | 12.1" | 15" | 15.6" |
|-----------|---------------------------|--|--|-------------------------|------------------------|
| 型号 | | DM-F08A | DM-F12A | DM-F15A | DM-FW15A |
| 显示 | 分辨率 | 800 x 600 (4:3) | 1024 x 768 (4:3) | 1024 x 768 (4:3) | 1366 x 768 (16:9) |
| | 背光亮度 (cd/m ²) | 500 | 600 | 500 | 400 |
| | 对比度 | 500:1 | 700 : 1 | 800 : 1 | 500:1 |
| | LCD 颜色 | 262K | 16.2M | 16.2M | 16.2M |
| | 像素间距 (mm) | 0.0675 x 0.2025 | 0.24 x 0.24 | 0.29 x 0.29 | 0.252 x 0.252 |
| | 可视角度 (H-V) | 140°/120° | 160° /140° | 160° / 150° | 170° / 160° |
| | 背光 MTBF (Hrs) | 50,000 hours | 50,000 hours | 70,000 hours | 50,000 hours |
| 触摸屏 & 触控器 | | 5-wire resistive single touch window/ Penmount 6000 | 5-wire resistive single touch window/ Penmount 6000 (Anti-glare Surface) 10-point Projected capacitive touch window, 6H/EETI EXC3188 (Anti-UV, Anti-glare Surface) | | |
| I/O 接口 | | 1 x VGA (DB-15) 1 x DVI 1 x USB 2.0 (touch) 1 x RS-232 (reserved for resistive touch ATO) 1 x Lockable 12V DC jack | 1 x VGA (DB-15) 1 x HDMI 1 x DisplayPort 1.1 1 x USB 2.0 (touch) 1 x RS-232 (reserved for resistive touch ATO) 1 x Lockable 9V-36V DC jack 1 x 9V-36V terminal block | | |
| OSD | OSD 按键 | 5-key membrane OSD keypad | 7-key membrane OSD keypad | | |
| | OSD软件 | Smart OSD Software | | | |
| 物理结构 | 结构材质 | Aluminum front frame and sheet metal rear cover | | | |
| | 安装方式 | Panel Mount/ Rack Mount 75 x 75 VESA Mount | Panel Mount/ Rack Mount 100 x 100 VESA Mount | | |
| | 外壳颜色 | Black C | | | |
| | 尺寸(mm) | 222.2 x 182.2 x 42.7 | 262.2 x 322.2 x 40.5 | 303 x 378.5 x 43.2 | 400.1 x 253.3 x 52.9 |
| | 开孔尺寸 (mm) | 206 x 154 | 244.8 x 304.8 | 285.6 x 361.1 | 379.1 x 232.3 |
| | 净重/毛重 | 1.33 / 4.5 | 2.7 / 4.9 | 3.5 / 5.5 | 4 / 6.5 |
| 环境 | 工作温度(有风流) | -20°C ~ 60°C (with air flow) | | | |
| | 存储温度 | -20°C ~ 70°C | | | |
| | 湿度 | 10% to 95% (non-condensing) | | | |
| | IP 等级 | IP 65 compliant front panel | | | |
| | 安规 & EMC | CE & FCC certified | | | |
| 电源输入 | | 12V DC | 9V~36V DC | | |
| 功耗 | | 12V @ 0.5A | 9V @ 2.2A 36V @ 0.5A | 9V @ 1.6A 36V @ 0.4A | 9V @ 1.3 36V @ 0.33 |

工业显示器



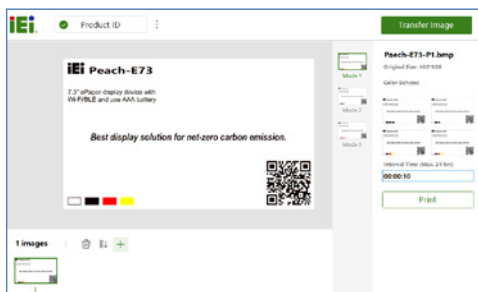
| LCD 尺寸 | | 17" | 18.5" | 19" | 21.5" | 23.8" |
|----------|---------------------------|---|------------------------------|-------------------------|--|-------------------------------------|
| 型号 | | DM-F17A | DM-FW19A | DM-F19A | DM-F22A | DM-F24A |
| 显示 | 分辨率 | 1280 x 1024 (5:4) | 1366 x 768 (16:9) | 1280x 1024 (5:4) | 1920x 1080 (16:9) | 1920x 1080 (16:9) |
| | 背光亮度 (cd/m ²) | 350 | 400 | 350 | 250 | 250 |
| | 对比度 | 1000 : 1 | 1000 : 1 | 1000 : 1 | 1000 : 1 | 3000 : 1 |
| | LCD 颜色 | 16.7M | | | | |
| | 像素间距(mm) | 0.26 x 0.26 | 0.3 x 0.3 | 0.294 x 0.294 | 0.25 x 0.25 | 0.28 x 0.28 |
| | 可视角度(H-V) | 170° / 160° | | | 170° / 160° | 178° / 178° |
| | 背光MTBF (Hrs) | 50000 | | | 30000 | 30000 |
| 触摸屏&触控器 | | 5-wire resistive single touch window, 3H/Penmount 6000 (Anti-glare Surface) 10-point Projected capacitive touch window, 6H/EETI EXC3188 (Anti-UV, Anti-glare Surface) | | | 10-point Projected capacitive touch window, 6H/EETI EXC3188 (Anti-UV, Anti-glare Surface) | |
| I/O 接口 | | 1 x VGA (DB-15) 1 x DVI (F19A only) 1 x HDMI (F17A & FW19A only) 1 x DisplayPort 1.1 1 x USB 2.0 (touch) 1 x RS-232 (reserved for resistive touch ATO) 1 x Lockable 9V-36V DC jack 1 x 9V-36V terminal block | | | 1 x VGA (DB-15) 1 x HDMI 1 x DisplayPort 1.1 1 x USB 2.0 (touch) 1 x RS-232 (reserved for resistive touch ATO) 1 x Lockable 9V-36V DC jack 1 x 9V-36V terminal block | |
| OSD | OSD 按键 | 7-key membrane OSD keypad | | | | |
| | OSD软件 | Smart OSD Software | | | | |
| 物理结构 | 结构材质 | Aluminum front frame and sheet metal rear cover | | | | |
| | 安装方式 | Panel Mount/ Rack Mount 100 x 100 VESA Mount | | | Panel Mount 100 x 100 VESA Mount | Panel Mount 100 x 100 VESA Mount |
| | 外壳颜色 | Black C | | | | |
| | 尺寸(mm) | 341.4 x 408.4 x 49.3 | 468.8 x 288.2 x 48.9 | 372.4 x 447.4 x 49.57 | 358.4 x 550.4 x 49.1 | 382 x 600 x 49.4 |
| | 开孔尺寸(mm) | 324 x 391 | 447.8 x 267.2 | 430 x 355 | 340 x 532 | 358.6 x 576.6 |
| | 净重/毛重 | 4.4 / 7.1 | 5 / 8.1 | 5.4 / 8.4 | 6.3 / 9.6 | 7.6 / 10.9 |
| | 环境 | 工作温度 (有风流) | -20°C ~ 60°C (with air flow) | | | -10°C ~ 50°C |
| 存储温度 | | -20°C ~ 70°C | -20°C ~ 70°C | -20°C ~ 70°C | -20°C ~ 60°C | -20°C ~ 60°C |
| 湿度 | | 10% to 95% (non-condensing) | | | | |
| IP 等级 | | IP 65 compliant front panel | | | | |
| 安规 & EMC | | CE & FCC certified | | | | |
| 电源输入 | | 9V~36V DC | | | | |
| 功耗 | | 9V @ 2.6A 36V @ 0.6A | 9V @ 1.33A 36V @ 0.35A | 9V @ 3.3A 36V @ 0.8A | 9V @ 2.5A 36V @ 0.6A | 9V @ 3.4A 36V @ 0.8A |

低碳排放显示解决方案



应用系统

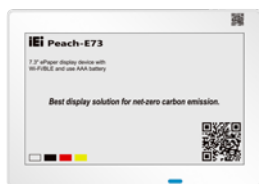
iEi威强电的低碳排放显示解决方案是一种可持续且具有成本效益的减少碳排放的方法。这一创新的管理系统使公司能够节省打印纸张材料和能源成本，从而降低碳足迹。与传统的LCD显示器和纸张不同，新一代解决方案使用节能的低碳排放显示器，既环保又美观。通过将低成本ePaper面板与节能控制器板相结合，iEi威强电解决方案实现了卓越的图像质量，同时功耗显著降低。



iEi ditherPrint 独立应用程序



低碳排放显示解决方案



| 产品 | Peach-E73 | Pitaya-E42 | Pitaya-E29 | Pitaya-E21 |
|-------------------|---------------------|---------------------|---------------------------------------|---------------------------------------|
| 液晶尺寸 | 7.3" | 4.2" | 2.9" | 2.13" |
| 分辨率 | 800 x 480 | 400 x 300 | 128 x 296 | 122 x 250 |
| 无线 | Wi-Fi / BLE | Wi-Fi / BLE | Wi-Fi / BLE | Wi-Fi / BLE |
| 连接器 | USB Type-C | USB Type-C | NA | NA |
| LED | 2 colors | 2 colors | 3 colors | 3 colors |
| 按键 | Power / BLE / Reset | Power / BLE / Reset | Power / BLE / Reset / Programmable x1 | Power / BLE / Reset / Programmable x1 |
| 电池 | AAAx6 | AAAx6 | AAAx2 | AAAx2 |
| EPD 颜色 | BWRY | BWR | BWR | BWR |
| 图像更新时间 (25°C typ) | 14 sec | 14 sec | 14 sec | 14 sec |
| 最佳光学器件温度范围 | 15°C ~ 35°C | 15°C ~ 35°C | 15°C ~ 35°C | 15°C ~ 35°C |
| 存储温度 | -20°C ~ 60°C | -20°C ~ 60°C | -20°C ~ 60°C | -20°C ~ 60°C |



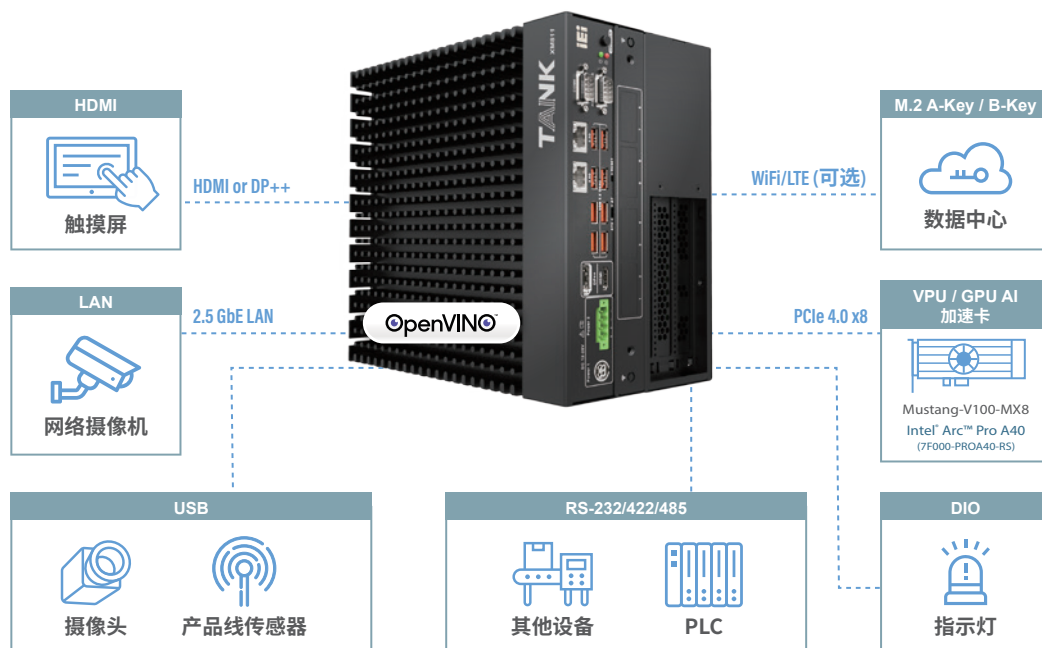
| 产品 | Mangosteen-E29 | Mangosteen-E21 |
|-------------------|---------------------------------------|---------------------------------------|
| 液晶尺寸 | 2.9" | 2.13" |
| 分辨率 | 128 x 296 | 122 x 250 |
| 无线 | Wi-Fi / BLE | Wi-Fi / BLE |
| 连接器 | NA | NA |
| LED | 3 colors | 3 colors |
| 按键 | Power / BLE / Reset / Programmable x1 | Power / BLE / Reset / Programmable x1 |
| 电池 | AAAx2 | AAAx2 |
| EPD 颜色 | BW | BW |
| 图像更新时间 (25°C typ) | 2 sec | 2 sec |
| 最佳光学器件温度范围 | 0°C ~ 50°C | 0°C ~ 50°C |
| 存储温度 | -20°C ~ 60°C | -20°C ~ 60°C |

AIoT 和边缘计算

全新系列 AIoT 开发套件 TANK-XM811AI-RPL AIoT 开发套件搭载第 13 代和第 14 代 Intel® Core™ 处理器和 Intel® R680E 芯片组。这款处理器采用 Intel® 7 工艺技术，提供多达 24 个内核和 32 个线程，并采用 Intel® 混合技术，实现出色的多线程性能。TANK-XM811AI-RPL AIoT 开发套件在 PCI Express 4.0 支持下提供低延时，高带宽和更快的数据传输速度，实现双倍吞吐量，并提供可选的 Wi-Fi 6E 功能。它具有丰富的 I/O 设计，包括双独立 4K 显示端口（HDMI 和 DP++）、六个 COM 端口、八个 USB 3.2 Gen 2 端口、两个 2.5GbE LAN 端口以及两个 PCIe x8 插槽。此外，它还允许使用额外的 I/O 扩展卡，例如 PoE LAN、M.2 A-Key 或 B-key，以支持边缘 AI 的各种应用。

此外，TANK-XM811AI-RPL AIoT 开发套件集成了 Intel® Iris® Xe 显卡，为用户提供更强大的 GPU 计算性能和速度。借助 Intel® Distribution of OpenVINO™ Toolkit 和 Intel® Arc® Graphics Card 来提高 AI 性能，您可以在业务自动化、推理计算和数据分析中享受下一代 AI 应用。

使用 TANK-XM811AI-RPL AIoT 开发套件探索视觉 AI



AI 开发套件



| 型号 | | TANK-XM811 AIoT_RPL Refresh | TANK-XM811 AIoT_RPL |
|--------|------------------------|--|---|
| 外形 | 颜色 | Black | |
| | 尺寸 (W x D x H) | 137.9 x 255.4 x 230.6 mm | |
| | 有风扇/无风扇 | Fan | |
| | 机箱材质 | Extruded aluminum alloys | |
| 主板 | CPU | Intel® Core™ i9-14900T 1.1GHz (up to 5.1GHz, 24-Core (8P+16E), TDP 35W) Intel® Core™ i7-14700T 1.3GHz (up to 5.0GHz, 16-Core (8P+12E), TDP 35W) | Intel® Core™ i9-13900TE 1.0GHz (up to 5.0GHz, 24-Core (8P+16E), TDP 35W) Intel® Core™ i7-13700TE 1.1GHz (up to 4.8GHz, 16-Core (8P+8E), TDP 35W) |
| | 芯片组 | Intel® R680E | |
| | 系统内存 | 2 x SO-DIMM DDR4 3200MHz (2 x 16GB non-ECC Pre-installed, up to 64GB, support ECC SKU) | |
| 存储 | 硬盘 | 13th (RPL): 1 x 2.5" HDD/SSD bay (256GB SSD pre-installed) 14th (RPL Refresh): 1 x 2.5" HDD/SSD bay (512GB SSD pre-installed) | |
| I/O 接口 | 网络 | 2 x RJ45: 1 x Intel I226LM 2.5GbE 1 x Intel I226-V 2.5GbE (Note: I225-LM/-V 2.5GbE on previous motherboard version) | |
| | USB 3.2 Gen 2 (10Gb/s) | 8 | |
| | COM | 2 x RS-232/422/485 4 x RS-232 | |
| | 数字 I/O | 12-bit (6-in/6-out) | |
| | 显示 | 1 x DP++ (up to 4096 x 2160@60Hz) 1 x HDMI (up to 4096 x 2160@30Hz) | |
| 扩展槽 | M.2 | 1 x 2230 A-key (PCIe x1/ USB 2.0 support Intel® vPro) 1 x 2280 M-key (PCIe x4) | |
| | 背板 | 2 x PCIe x8 slot (total power up to 75W, support FHHL card) | |
| 电源 | 电源输入 | DC Jack: 12V ~ 28V DC Terminal Block: 12V ~ 28V DC | |
| | 远程开关 | Terminal Block: 2-Pin | |
| 可靠性 | 安装方式 | Wall mount | |
| | 工作温度 | -20°C ~ 60°C with air flow (with SSD), 10% ~ 95%, non-condensing | |
| | 存储温度 | -40°C ~ 80°C, 10% ~ 95%, non-condensing | |
| | 震动 | Half-sine wave shock 5G, 11ms, 100 shocks per axis (with SSD) | |
| | 冲击 | MIL-STD-810G 514.6C-1 (with SSD) | |
| | 净重/毛重 | 4.6kg / 5.6kg | |
| | 安规 / EMC | CE / FCC | |
| | 看门狗 | Programmable 1 ~ 255 sec/min | |
| OS | 操作系统 | Windows® 10 IoT Enterprise / Linux | |

AI 开发套件



| 型号 | TANK-XM811 AiOT_ADL | |
|--------|------------------------|---|
| 外形 | 颜色 | Black C |
| | 尺寸 (W x D x H) | 137.9 x 255.4 x 230.6 mm |
| | 有风扇/无风扇 | Fan (in expansion chassis) |
| | 机箱材质 | Extruded aluminum alloys |
| 主板 | CPU | Intel® Core™ i5-12500TE 1.9GHz (up to 4.3GHz, 6-Core, TDP 35W) |
| | 芯片组 | Intel® R680E |
| | 系统内存 | 2 x SO-DIMM DDR4 3200MHz (2 x 8GB non-ECC Pre-installed, up to 64GB, support ECC SKU) |
| 存储 | 硬盘 | 1 x 2.5" HDD/SSD bay (256GB SSD pre-installed) |
| I/O 接口 | 网络 | 2 x RJ45: 1 x Intel® I225LM 2.5GbE 1 x Intel® I225V 2.5GbE |
| | USB 3.2 Gen 2 (10Gb/s) | 8 |
| | COM | 2 x RS-232/422/485 4 x RS-232 |
| | 数字 I/O | 12-bit (6-in/6-out) |
| | 显示 | 1 x DP++ (up to 4096 x 2160@60Hz) 1 x HDMI (up to 4096 x 2160@30Hz) |
| 扩展槽 | M.2 | 1 x 2230 A-key (PCIe Gen3 x1/ USB 2.0 support Intel® vPro) 1 x 2280 M-key (PCIe Gen3 x4) |
| | 背板 | 1 x PCIe Gen4 x16 (PCIe x8 signal) - support dual slot card 1 x PCIe Gen4 x16 (PCIe x8 signal) - Intel Arc Pro A40 pre-installed (Maximum total 75W for add-on card power consumption and support FHHL card) |
| 电源 | 电源输入 | DC Jack: 12V ~ 28V DC Terminal Block: 12V ~ 28V DC |
| | 远程电源 | Terminal Block: 2-pin |
| 可靠性 | 安装方式 | Wall mount |
| | 工作温度 | 0°C ~ 40°C with air flow (SSD + Discrete Graphics) |
| | 震动 | Half-sine wave shock 5G, 11ms, 100 shocks per axis (with SSD + Discrete Graphics) |
| | 冲击 | MIL-STD-810G 514.6C1 (with SSD + Discrete Graphics) |
| | 净重毛重 | 5.02 kg/ 6.02 kg |
| | 安规 / EMC | CE / FCC |
| | 看门狗 | Programmable 1 ~ 255 sec/min |
| | 支持操作系统 | Windows® 10/11 IoT Enterprise / Linux (Ubuntu 22.04 IoT) |

| 型号 | RACK-500AI-C246 | |
|--------|--|---|
| 外形 | 颜色 | Navy blue and black |
| | 尺寸 (WxDxH) | 440.2 mm x 110.6 mm x 221.3 mm |
| | 系统风扇 | System fan & CPU fan |
| | 机箱材质 | Heavy duty metal |
| 主板 | CPU | Intel® Xeon® E-2176G CPU (3.70 GHz, 6-core, TDP 80W) |
| | 芯片组 | Intel® C246 |
| | 系统内存 | Four 288-pin 2666MHz dual-channel DDR4 SDRAM unbuffered DIMMs support up to 64GB ECC & non-ECC (2 x 8GB pre-installed) |
| 存储 | 显示接口 | Dual display supported 1 x HDMI (up to 4096 x 2304@30Hz) 1 x Internal DisplayPort (up to 4096 x 2304@60Hz) |
| | 硬盘 | 1 x Removable 3.5" SATA 6Gb/s drive bay (hot-swappable) |
| I/O 接口 | M.2 | 1 x 2280 M key (PCIe x4) |
| | 网络 | LAN1: Intel® I219LM PHY LAN2: Intel® I211-AT PCIe controller (co-lay I210-AT) |
| | USB 3.2 | 2 x Internal USB 3.2 Gen1 (2x10 pin) |
| | USB 2.0 | 6 (pin header) |
| | RS-232 | 3 (pin header) |
| | RS-422/485 | 1 (1x4 pin, p=2.0) |
| | 扩展 | 1 x PCIe Gen3 x16 slot 1 x PCIe Gen3 x4 slot *To install dual-slot PCIe add-on cards (max. length 338mm), the CPU cooler must be changed (P/N: 19100-000238-00-RS). |
| 电源 | 电源输入 | ATX power (350W) |
| | PCIe 扩展卡 (GPU/附加卡) 介绍 | Total maximum up to 150W (80W CPU with 16GB memory, 350W ATX power) Total maximum up to 180W (35W CPU with 16GB memory, 350W ATX power) |
| 可靠性 | 安装方式 | Rack mount |
| | 工作温度 | -20°C~+50°C |
| | 存储温度 | -30°C~+60°C |
| | 相对湿度 | 10% ~ 95%, non-condensing |
| | 震动 | Half-sine wave shock 5G, 11ms, 100 shocks per axis |
| | 冲击 | MIL-STD-810G 514.6C-1 |
| | 净重/毛重 | 8 kg/11 kg |
| | 安规/EMC | CE/FCC |
| 支持操作系统 | Microsoft Windows 10 / Windows 11, Linux | |

AI 开发套件



| 型号 | FLEX-BX210AI Series | |
|-----------|---------------------|--|
| 系统 | CPU | Intel® 10th Generation Core™ i9-10900TE 1.8GHz (up to 4.5GHz, 10-core, TDP 35W) Intel® 10th Generation Core™ i5-10500TE 2.3GHz (up to 3.7GHz, 6-core, TDP 35W) |
| | 芯片组 | Intel® 400 Series Q470/Q470E (Comet Lake) |
| | 内存 | 2 x 288-pin 2933/2666 MHz dual-channel DDR4 unbuffered DIMM supporting up to 64GB Xeon W with 32GB RAM pre-installed Core i9 with 16GB RAM pre-installed Core i5 with 8GB RAM pre-installed |
| | 图形引擎 | Intel® HD Graphics Gen 9.5 Engines with Low power 16 execution unit, supports DX2 015, OpenGL 5.X and OpenCL2.x, ES 2.0 |
| | 网络 | LAN1: Intel® I219LM with Intel® AMT 11.0 supported LAN2/LAN3: Intel® I210 PCIe controller |
| 存储 | 存储 | 4 x Accessible 2.5" HDD/SSD SATA 6Gb/s bay with LED indicator (with RAID 0/1/5/10 support); pre-installed one 2.5" 1TB HDD 1 x NGFF M.2 (2280) M key socket (supports NVMe SSD) |
| 无线通信 | 无线 | Intel® AC 9260 802.11ac, 2.5/5GHz, 2T/2R (by M.2 2230) |
| | 蓝牙 | Bluetooth V5.1 |
| | WWAN and GNSS | M.2 3042 LTE (optional) |
| I/O 端口和开关 | I/O 端口和开关 | 1 x DisplayPort output 1 x HDMI output 3 x GbE LAN (1x I219 support vPro, 2x I210) 6 x USB 3.2 Gen1 Type-A 2 x RS-232 DB-9 1 x Mic in 1 x Line out 1 x AC inlet 4 x SMA Power button with power LED (power on=Blue) AT/ATX mode switch Reset button |
| | TPM | TPM 2.0 (pre-installed) |
| | 扩展槽 | 扩展槽 |
| 散热方案 | 散热方案 | 3 x System fan, 1 x CPU cooler |
| 电源 | 电源 | AC input ATX power supply - 350W Power supply - Input: 90VAC~264VAC, 50/60Hz - Output (max.): 3.3V@14A, 5V@16A, 12V@29A, -12V@0.3A |
| 看门狗 | 看门狗 | Software programmable support 1~255 sec. system reset |
| 机构参数 | 机箱材质 | Metal housing |
| | 安装方式 | Wall/Rack mount |
| | 颜色 | Black |
| | 颜色 (LxDxH) (mm) | 357 x 230 x 88 |
| | 净重 | 4 kgs |

| 型号 | DRPC-240-TGL TSN/TCC | |
|--------|----------------------|--|
| 外形 | 尺寸 | 190 x 150 x 81 mm (DRPC-240AI-i5RCS-R10) 190 x 150 x 126 mm (DRPC-240AI-i5RC-R10) |
| | 系统风扇 | Fanless (DRPC-240AI-i5RCS-R10) Fan (DRPC-240AI-i5RC-R10) |
| 主板 | CPU | Intel® Core™ i5-1145GRE Processor 1.50GHz (up to 4.10GHz, quad core, TDP 12W to 28W) |
| | 芯片组 | SoC |
| | 系统内存 | 2 x SO-DIMM DDR4 3200MHz (8GB pre-installed, up to 64GB) |
| 存储 | 硬盘 | 1 x 2.5" SATA 6Gb/s HDD/SSD bay (256GB SSD pre-installed) |
| I/O 接口 | USB | 2 x USB 3.2 Gen 2 2 x USB 2.0 |
| | 网络 | 1 x RJ-45 PCIe 2.5 GbE via Intel® I225LM 3 x RJ-45 PCIe 2.5 GbE via Intel® I225V (colay i225LM) (Optional PoE at power board) |
| | COM | 2 x RS-232 (DB9 with 2.5KV isolation, 1 reserved for TGPIO and console port) 2 x DB9 RS-422/485 with AFC (DB9 with 2.5KV isolation) |
| | DIO | 1 x 12-bit digital I/O (6-in/6-out) (pin header) |
| | 显示 | 1 x Lockable HDMI (up to 3840 x 2160 @ 30Hz) 1 x DP++ (up to 4096 x 2160 @ 60Hz) |
| | TPM 2.0 | Supports Intel® Platform Trust Technology (Intel® PTT) |
| 扩展槽 | M.2 | 1 x 2230 A-key (PCIe x1 / USB 2.0) 1 x 3042/52/80 B-key (PCIe x2 / USB 2.0) with SIM slot |
| | 背板 | 1 x PCIe Gen3 x4 (DRPC-240AI-i5RC only) |
| 其他 | 指示灯 | 2 x LED (HDD, Power) |
| | 按键 | 1 x Power button 1 x Reset button 1 x AT/ATX switch 1 x Remote power connector |
| 电源 | 电源输入 | 3-pin terminal block: 12 ~ 28 VDC |
| | 远程电源 | 2-pin terminal block |
| 可靠性 | 安装方式 | DIN-Rail |
| | 工作温度 | -20°C ~ 60°C with air flow (with SSD) |
| | 存储温度 | -40°C ~ 85°C |
| | 湿度 | 10% ~ 95%, non-condensing |
| | 冲击 | Half-sine wave shock 5G, 11ms, 100 shocks per axis (with SSD) |
| | 震动 | MIL-STD-810G 514.6C-1 (with SSD) |
| OS | 重量 | 1.5kg / 2.9kg (DRPC-240AI-i5RCS-R10) 1.9kg / 3.3kg (DRPC-240AI-i5RC-R10) |
| | 安规/EMC | CE/ FCC |
| | 支持操作系统 | Windows 10, Linux |

网络设备



随着技术的发展，网络安全趋势也在不断发展，数据泄露、勒索软件攻击和黑客攻击变得越来越普遍。人工智能在增强网络安全方面发挥着至关重要的作用，它通过分析数据来识别威胁、自动执行任务并提供对全球威胁的实时洞察，从而加强防御。

我们的网络设备解决方案 iEi威强电 PUZZLE 系列支持各个行业 and 环境的数字化转型，在 SD-WAN 部署、网络安全、边缘计算和数据中心运营中发挥着关键作用。我们的产品系列包括多功能平台，从经济实惠的紧凑型桌面解决方案到高性能 1U 机架式服务器和可扩展的 2U 系统，可满足各种规模的企业和服务提供商的需求，并支持从数据中心运营到边缘计算的关键应用。



联盟合作伙伴



高性能网络设备



| 型号 | | PUZZLE-9040 | PUZZLE-9030 | PUZZLE-7050 |
|---------|--------------------|--|--|---|
| 平台 | 外形 | 2U | 1U | 1U rackmount |
| | CPU | 2 x 4th Gen Intel® Xeon® Scalable processors (Code Name: Sapphire Rapids) Supporting TDP 350W | 2 x AMD EPYC™ Milan Series | 1 x 4th Gen AMD EPYC™ 8004 Series Processor |
| | 芯片组 | Intel® C741 | Integrated in CPU | Integrated in CPU |
| 内存 | 内存类型 | 16 x DDR5 4800MHz ECC RDIMM Slot | 16 x DDR4 4800 MHz ECC RDIMM Slot | 12 x DDR5 up to 4800MHz ECC RDIMM Slots (6 channels) |
| | 内存容量 | Based on DIMM capacity | Based on DIMM capacity | Based on DIMM capacity |
| | 内存插槽 | 16 x 288-pin DDR5 DIMM | 16 x 288-pin DDR4 DIMM | 12 x 288-pin DDR5 DIMM |
| 网络和安全 | 网络加速和安全功能 | Next-gen Intel® Quick Assist Technology, DLB, AMX/TMUL, DSA, 5G ISA, BFloat16 SGX with Integrity, MKTME - 128 Keys, Platform Firmware Resilience (PFR) with Peripheral Device Attestation Hardware Enforced Execution Controls: Hypervisor-Managed Linear Address Translation (HLAT), Control Flow Enforcement Technology (CET), VM Denial of Service Prevention | N/A | N/A |
| | TPM | 1 x TPM 2.0 pin header | 1 x TPM 2.0 pin header | 1 x TPM 2.0 pin header |
| BMC | BMC 解决方案 | 1 x M.2 Socket B Key support IEI iRIS2 BMC module, 1 x 1GbE RJ45 for BMC port | 1 x AST2620 | 1 x M.2 Socket B Key support IEI iRIS2 BMC module, 1 x 1GbE RJ45 for BMC port (Optional) |
| 联网 | 网络芯片 | Intel 10G Dual Port X710 Intel 1G Dual Port I350 | Intel I210 | 2 x Intel 1G I210-AT |
| | 网络端口 | 2 x GbE RJ45 ports 1 x GbE RJ45 LOM/BMC port 2 x 10GbE SFP+ | 1 x GbE RJ45 | 2 x GbE RJ45 ports 1 x GbE RJ45 BMC port |
| | 网络模块插槽 | Support up to 8 x Standard OCP 3.0 Network Module | Support up to 4 x OCP 3.0 PuIM Network Module (PuIM-100G2SF-CX6) | Support up to 2 x Standard OCP 3.0 Network Module |
| 扩展槽 | PCIe 插槽 | 1 x PCIe x16 FHFL | 1x PCIe x16 FHHL | 1 x PCIe x16 FHFL |
| | M.2 | N/A | N/A | 1 x B key for BMC module (support IEI iRIS2 BMC module) |
| 存储 | 存储 | 2 x External 2.5" removable trays (Supports 2.5" U.2 PCIe x4 NVMe) 1 x 2280 M-Key (PCIe Gen4 x4) | 2 x U.2 (PCIe Gen4 x4) 2.5" NVMe SSD or 2 x SATA 3.0 3.5" HDD 2 x M.2 M key 2280 (PCIe Gen4 x4) | 2 x External 2.5" removable trays (Supports 2.5" U.2 PCIe x4 NVMe) 2 x M.2 2280 M-Key (PCIe Gen4 x4) |
| | USB | 2 x USB 3.0 Type-A | 2 x USB 3.1 Type A | 2 x USB 3.0 Type-A |
| | Console | 1x USB Type C and 1x RJ45 auto-switching console port | 1 x RJ45 | 1 x USB Type C 1 x RJ45 auto-switching console port |
| 电源和结构 | 电源开关 | Rear: 1 x Power button | N/A | Rear: 1 x Power button |
| | 复位开关 | Front: 1 x Reset button | 1 x Reset button | Front: 1 x Reset button |
| | 电源输入 | 90 V ~ 264 V | 90~264V AC | 90 V ~ 264 V |
| | 类型/瓦特 | 2000W CRPS redundant power | 1300W redundant power | Dual CRPS redundant power |
| | 处理器散热 | 2 x Passive CPU Heatsinks | 2 x CPU Heatsinks | 1 x Passive CPU Heatsink |
| | 散热方案 | 4 x System fans | 6 x Individual hot-swappable cooling fans | 3 x System fans, 1 x fan reserved |
| 物理和环境 | 天线孔 | N/A | N/A | N/A |
| | 存储温度 | -10°C ~ 50°C | -10°C ~ 50°C | -10°C ~ 50°C |
| | 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| | 工作湿度 | 5% ~ 90% non-condensing | 5% ~ 90% non-condensing | 5% ~ 90% non-condensing |
| | 尺寸(W x L x H) (mm) | 438 x 623 x 88.5 | 438 x 670 x 44.2 | 430 x 521 x 44.2 |
| | 重量 | < 25 kg | 12.1 kg | < 10 kg |
| 操作系统和认证 | 认证 | By customer request | By customer request | By customer request |
| | 操作系统 | Ubuntu, Linux based OS | Ubuntu, Linux based OS | Ubuntu, Linux based OS |
| 指示灯 | LCM | N/A | N/A | Optional |
| | LED | 1 x Power LED, 1 x HDD Activity LED, 1 x Alert LED, 1 x PSU LED, 1 x Location LED 2 x PSU LED, 1 x Location LED | 1 x Power LED 1 x Status LED 1 x Alert LED | 1 x Power LED, 1 x Alert LED, 1 x Storage LED, 1 x Location LED, 2 x PSU LED |

高性能网络设备



| | | PUZZLE-7030A | PUZZLE-IN005 | PUZZLE-IN004 |
|---------|---------------------|---|---|---|
| 平台 | 外形 | 1U | 2U | 1U |
| | CPU | Intel® Xeon® D-1700 Processor series | Intel® Ice-Lake LGA-4189 Xeon® Scalable Processor | Intel® Xeon® D-2145NT processor 8-core, 11M cache, 1.90 GHz Intel® Xeon® D-2146NT processor 8-core, 11M cache, 2.30 GHz Intel® Xeon® D-2177NT Processor 14-core, 19.25M Cache, 1.90 GHz Intel® Xeon® D-2187NT processor 16-core, 22M cache, 2.00 GHz |
| | 芯片组 | Integrated in CPU | Intel® C627A | Integrated in CPU |
| 内存 | 内存类型 | 4 x DDR4 2400/2933 MHz ECC UDIMM/RDIMM | DDR4 3200 MHz ECC RDIMM / LRDIMM | DDR4 2133/2400 MHz ECC RDIMM/LRDIMM |
| | 内存容量 | Based on DIMM capacity | Up to 1280GB (20 x 64GB) | RDIMM up to 256 GB LRDIMM up to 512 GB |
| | 内存插槽 | 4 x 288-pin DDR4 DIMM slots | 20 x 288-pin DIMM | 8 x 288-pin DIMM |
| 网络和安全 | 网络加速和安全功能 | <ul style="list-style-type: none"> Intel® AES New Instructions Intel® Software Guard Extensions (Intel® SGX) Intel® Memory Protection Extensions (Intel® MPX) Intel® Trusted Execution Technology | <ul style="list-style-type: none"> Intel® AES New Instructions Intel® QuickAssist Technology (Intel® QAT) Intel® Virtualization Technology (Intel® VT) Intel® Trusted Execution Technology (Intel® TXT) | <ul style="list-style-type: none"> Intel® AES New Instructions Intel® Software Guard Extensions (Intel® SGX) Intel® Memory Protection Extensions (Intel® MPX) Intel® Trusted Execution Technology |
| | TPM | 1 x TPM 2.0 pin header | 1 x TPM 2.0 pin header | 1 x TPM 2.0 pin header |
| BMC | BMC 解决方案 | 1 x M.2 Socket B Key support IEI iRIS2 BMC module, 1 x 1GbE RJ45 for BMC port | 1 x iRIS-2600 module | N/A |
| 网络连接 | 网络芯片 | Intel® I226V 2.5GbE | 1GbE NIC: Intel® I210-AT with NCSI support 1GbE NIC: Intel® I219 | 1GbE NIC: Intel® I211-AT 10 GbE: Intel® X722 integrated in CPU |
| | 网络端口 | 8 x 2.5 GbE RJ45 LAN ports 5 x 10 GbE SFP+ | 2 x 1GbE RJ45 ports (1 x BMC LAN) | 8 x 1GbE RJ45 LAN ports 4 x 10 GbE SFP+ |
| | 网络模块插槽 | Support up to 1 x Standard OCP 3.0 | 8 x IEI PuIM network module slots | 1 x IEI PuIM network module slot |
| 扩展槽 | PCIe 插槽 | 1 x PCIe Gen4 x 8 or 2 x PCIe Gen4 x 4 | 1 x PCIe Gen4 x8 (FHHL) slot (single width) | 1 x PCIe Gen3 x8 (FHHL) slot (double width) |
| | M.2 | 1 x B key for BMC module (support IEI iRIS2 BMC module) | N/A | N/A |
| 存储 | 存储 | 2 x 2.5" SSD/HDD Bay: support SATA 3.0 (6 Gbps) 2 x M.2 2280 M-key (PCIe Gen3 x2) | 4 x U.2 SSD drive bay support SATA 3.0 (6 Gbps) 2 x M.2 M key 2280 support PCIe Gen3 x4 NVMe | 2 x 2.5" SATA HDD/SSD bay support SATA 3.0 (6 Gbps) 1 x M.2 M key 2260/2280 support PCIe Gen3 x4 NVMe |
| | USB | 2 x USB 3.0 | 2 x USB 3.2 Gen 1 (5Gb/s) Type-A ports | 1 x USB 2.0 1 x USB 3.2 Gen 1 |
| | Console | 1 x RJ45 1 x USB Type-C | 1 x RJ45 1 x USB Type-C | 1 x RJ45 |
| 电源和结构 | 电源开关 | Rear: 1 x Power Button | 1 x Power Switch | 1 x Power switch |
| | 复位开关 | Front: 1 x Reset Button | 1 x Reset Button | 1 x Reset button |
| | 电源输入 | 90 V ~ 264 V | 100 V ~ 240 V | 100 V ~ 240 V |
| | 类型/瓦特 | 320W redundant power | 1200W redundant power 90V~264V AC | 300W redundant power |
| | 处理器散热 | 1 x Passive CPU heatsink | 2 x Active CPU cooler | 1 x Passive CPU heatsink |
| | 散热方案 | 4 x System fans | 5 x Smart cooling fans | 4 x Smart cooling fans |
| 物理和环境 | 天线孔 | 1 x Antenna hole | N/A | 1 x Antenna hole |
| | 存储温度 | -10°C ~ 50°C | -10°C ~ 50°C | -20°C ~ 75°C (-4°F ~ 167°F) |
| | 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| | 工作湿度 | 5% ~ 90% non-condensing | 5% ~ 90% non-condensing | 5% ~ 90% non-condensing |
| | 尺寸 (W x L x H) (mm) | 436.2 x 454.3 x 44.2 | 438 x 650 x 88 | 430 x 426 x 44.2 |
| | 重量 | 8 kg | 23 kg | 7 kg |
| 操作系统和认证 | 认证 | By customer request | CE / FCC / RoHS | CE / FCC / RoHS |
| | 操作系统 | Ubuntu, Linux based OS | Linux 18.04 (CentOS, Red Hat, Ubuntu, etc.) Windows Server 2019 | Linux Ubuntu 18.04.04 CentOS 7 / Red Hat / Fedora EPEL Microsoft Windows 10 |
| 指示灯 | LCM | LCM, 2 buttons | N/A | LCM, 2 buttons |
| | LED | 1 x Power LED, 1 x Storage LED, 1 x Alert LED | 1 x Power LED, 1 x Storage LED, 1 x Alert LED | 1 x Power LED, 1 x Storage LED, 1 x Alert LED |

高性能网络设备



| | | PUZZLE-5060 | PUZZLE-5050 | PUZZLE-5030 |
|---------|--------------------|---|---|---|
| 平台 | 外形 | 1U rackmount | 1U rackmount | 1U |
| | CPU | AMD Ryzen 7000 & 8000 | 1 x 13th Gen Intel® Core™ I Processors (Code Name: Raptor Lake) | Intel® Xeon® E Processor (Codename: Rocket Lake) |
| | 芯片组 | AMD 600 series | Intel® Q670E | Intel® C256 |
| 内存 | 内存类型 | 4 x DDR5 4800MHz DIMM slots | 4 x DDR5 4800MHz non-ECC UDIMM | DDR4 3200 MHz ECC / non-ECC UDIMM |
| | 内存容量 | Based on DIMM capacity | Based on DIMM capacity | Up to 128GB |
| | 内容插槽 | 4 x 288-pin DDR5 UDIMM | 4 x 288-pin DDR5 UDIMM | 4 x 288-pin DIMM |
| 网络和安全 | 网络加速和安全功能 | N/A | N/A | <ul style="list-style-type: none"> Intel® AES New Instructions Intel® Software Guard Extensions (Intel® SGX) Intel® Memory Protection Extensions (Intel® MPX) Intel® Virtualization Technology (Intel® VT) Intel® Virtualization Technology for Directed I/O (VT-d) Intel® Trusted Execution Technology Functionality depends on the CPU used. |
| | TPM | 1 x TPM 2.0 pin header | 1 x TPM 2.0 pin header | 1 x TPM 2.0 pin header |
| BMC | BMC 解决方案 | 1 x M.2 Socket B Key support IEI iRIS2 BMC module 1 x 1GbE RJ45 for BMC port | 1 x M.2 Socket B Key support IEI iRIS2 BMC module 1 x 1GbE RJ45 for BMC port | N/A |
| 网络连接 | 网络芯片 | Intel® I210 | Intel® I210-AT | Intel® I225V |
| | 网络端口 | 8 x 1 GbE RJ45 ports | 10 x 1 GbE RJ45 ports | 8 x 2.5 GbE RJ45 LAN ports, 2-pair bypass, Port 1 support WOL |
| | 网络模块插槽 | 2 x IEI PuLM network module slots | 2 x IEI PuLM network module slots | 2 x IEI PuLM network module slots |
| 扩展槽 | PCIe 插槽 | N/A | N/A | 1x Standard PCIe Slot: PCIe Gen4 x8 (FHHL) 1x Standard PCIe Slot: PCIe Gen4 x4 (FHHL) |
| | M.2 | 1 x B key for BMC module (support IEI iRIS2 BMC module) | 1 x B key for BMC module (support IEI iRIS2 BMC module) | 1 x M.2: M key 2260/2280 support PCIe Gen4 x2 or SATA 6Gb/s |
| 存储 | 存储 | 2 x U.2 2.5" NVMe SSD | 2 x U.2 SATA SSD | 2 x 2.5" SATA HDD/SSD bay support SATA 3.0 (6 Gbps) |
| | USB | 2 x USB 3.0 Type-A | 2 x USB 3.0 Type-A | 2 x USB 3.0 |
| | Console | 1 x RJ45 console port | 1 x RJ45 console port | 1 x RJ45 |
| 电源和结构 | 电源开关 | Rear: 1 x Power button | Rear: 1 x Power button | 1 x Power switch |
| | 复位开关 | Front: 1 x Reset button | Front: 1 x Reset button | 1 x Reset button |
| | 电源输入 | 100 V ~ 240 V | 100 V ~ 240 V | 100 V ~ 240 V |
| | 类型/瓦特 | Dual CRPS redundant power | Dual CRPS redundant power | 300W AC redundant PSU |
| | 处理器散热 | 1 x Passive CPU Heatsink | 1 x Passive CPU Heatsink | 1 x Passive CPU Heatsink |
| | 散热方案 | 4 x System fans | 4 x System fans | 3 x Smart cooling fans 1 x System fan |
| | 天线孔 | N/A | N/A | 1 x Antenna hole (reserved) |
| 物理和环境 | 存储温度 | -10°C ~ 50°C | -10°C ~ 50°C | -10°C ~ 50°C |
| | 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| | 工作湿度 | 5% ~ 90% non-condensing | 5% ~ 90% non-condensing | 5% ~ 90% non-condensing |
| | 尺寸(W x L x H) (mm) | 430 x 414.2 x 44.2 | 430 x 414.2 x 44.2 | 430 x 426 x 44.2 |
| | 重量 | <10 kg | 6.3 kg | 10 kg |
| 操作系统和认证 | 认证 | By customer request | By customer request | CE/FCC/RoHS |
| | 操作系统 | Ubuntu Linux | Ubuntu Linux | Support Linux (CentOS, Ubuntu, etc.) |
| 指示灯 | LCM | N/A | N/A | 16 x 2 character with 2 control buttons |
| | LED | 1 x System LED, 1 x Storage LED | 1 x System LED, 1 x Storage LED | 1 x Power LED, 1 x Storage LED, 1 x Alert LED |

高性能网络设备



| | | PUZZLE-IN002 | PUZZLE-IN001 | PUZZLE-IN001A |
|-------|--------------------|---|---|---|
| 平台 | 外形 | 1U | 1U | 1U |
| | CPU | 8th Generation Intel® Core™ i3-8100T processor, 4C/4T, up to 3.10 GHz Intel® Pentium® Gold G5400T processor, 2C/4T, up to 3.10 GHz | Intel® Xeon® E-2136 processor, 6C/12T, up to 4.50 GHz 8th Generation Intel® Core™ i3-8100T processor, 4C/4T, up to 3.10 GHz | Intel® Xeon® E-2136 processor, 6C/12T, up to 4.50 GHz 8th Generation Intel® Core™ i3-8100T processor, 4C/4T, up to 3.10 GHz |
| | 芯片组 | Intel® H310 | Intel® C246 | Intel® C246 |
| 内存 | 内存类型 | 2 x DDR4 2400 MHz Non-ECC UDIMM | 2 x DDR4 2400 MHz ECC/Non-ECC UDIMM | 4 x DDR4 2400 MHz ECC/Non-ECC UDIMM |
| | 内存容量 | Up to 32GB | Up to 32GB | Up to 64GB |
| | 内存插槽 | 2 x 288-pin DIMM | 2 x 288-pin DIMM | 4 x 288-pin DIMM |
| 网络和安全 | 网络加速和安全功能 | <ul style="list-style-type: none"> Intel® AES New Instructions Intel® Software Guard Extensions (Intel® SGX) Intel® Memory Protection Extensions (Intel® MPX) Intel® Trusted Execution Technology | <ul style="list-style-type: none"> Intel® AES New Instructions Intel® Software Guard Extensions (Intel® SGX) Intel® Memory Protection Extensions (Intel® MPX) Intel® Trusted Execution Technology | <ul style="list-style-type: none"> Intel® AES New Instructions Intel® Software Guard Extensions (Intel® SGX) Intel® Memory Protection Extensions (Intel® MPX) Intel® Trusted Execution Technology |
| | TPM | 1 x TPM 2.0 pin header | 1 x TPM 2.0 pin header | 1 x TPM 2.0 pin header |
| 网络连接 | 网络芯片 | 1GbE RJ45: Intel® I211 | 1GbE NIC: Intel® I211-AT | 8 x 5GbE NIC: AQC 111C |
| | 网络端口 | 6 x 1GbE RJ45 LAN ports | 8 x 1GbE RJ45 LAN ports | 8 x 5GbE RJ45 LAN ports |
| | 网络模块插槽 | N/A | 2 x IEI PuIM network module slots | 2 x IEI PuIM network module slots |
| 扩展槽 | PCIe 插槽 | 1 x PCIe Gen3 x16 (FHHL) slot (double width) | 1 x PCIe Gen3 x8 (FHHL) slot, 1 x PCIe Gen3 x4 (FHHL) slots | 1 x PCIe Gen3 x8 (FHHL) slot, 1 x PCIe Gen3 x4 (FHHL) slots |
| | M.2 | 1 x M.2 A key (Gen2 & USB 2.0) | 1 x 3042/2260 M.2 B key (SATA 6Gb/s / USB 3.2 Gen 1) Support SATA SSD and 4G LTE module | 1 x 3042/2260 M.2 B key (SATA 6Gb/s / USB 3.2 Gen 1) Support SATA SSD and 4G LTE module |
| 存储 | 存储 | 2 x 2.5" SATA HDD/SSD bay support SATA 3.0 (6 Gbps) | 2 x 2.5" SATA HDD/SSD bay support SATA 3.0 (6 Gbps) (RAID 0/1 support) | 2 x 2.5" SATA HDD/SSD bay support SATA 3.0 (6 Gbps) |
| | USB | 2 x USB 3.2 Gen 1 (5Gb/s) | 2 x USB 3.2 Gen 1 (5Gb/s) | 2 x USB 3.2 Gen 1 (5Gb/s) |
| | Console | 1 x RJ45 | 1 x RJ45 | 1 x RJ45 |
| 电源和结构 | 电源开关 | 1 x Power switch | 1 x Power switch | 1 x Power switch |
| | 复位开关 | 1 x Reset button | 1 x Reset button | 1 x Reset button |
| | 电源输入 | 100 V ~ 240 V | 100 V ~ 240 V | 100 V ~ 240 V |
| | 类型/瓦特 | ATX power 250W 90V~264V AC | 300W redundant power, 90V~264V AC | 300W redundant power, 90V ~ 264V AC |
| | 处理器散热 | 1 x Passive CPU heatsink | 1 x Passive CPU heatsink | 1 x Passive CPU heatsink |
| | 散热方案 | 4 x Smart cooling fans | 4 x Smart cooling fans | 4 x Smart cooling fans |
| | 天线孔 | 1 x Antenna hole | 1 x Antenna hole | 1 x Antenna hole |
| 物理和环境 | 存储温度 | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) |
| | 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| | 工作湿度 | 5% ~ 90% non-condensing | 5% ~ 90% non-condensing | 5% ~ 90% non-condensing |
| | 尺寸(W x L x H) (mm) | 430 x 320 x 44.2 | 430 x 426 x 44.2 | 430 x 426 x 44.2 |
| | 重量 | 5 kg | 7 kg | 7 kg |
| 认证 | 认证 | CE / FCC / RoHS | CE / FCC / RoHS | CE / FCC / RoHS |
| | 支持操作系统 | Linux Ubuntu 18.04.04 CentOS 7 / Red Hat / Fedora EPEL Microsoft Windows 10 | Linux Ubuntu 18.04.04 CentOS 7 / Red Hat / Fedora EPEL Microsoft Windows 10 | Linux Ubuntu 18.04.04 CentOS 7 / Red Hat / Fedora EPEL Microsoft Windows 10 |
| 指示灯 | LCM | LCM, 2 buttons | LCM, 2 buttons | LCM, 2 buttons |
| | LED | 1 x Power LED, 1 x Storage LED, 1 x Alert LED | 1 x Power LED, 1 x Storage LED, 1 x Alert LED | 1 x Power LED, 1 x Storage LED, 1 x Alert LED |

入门级网络设备



| | | PUZZLE-1100 | PUZZLE-3034 | PUZZLE-3032 |
|---------|--------------------|---|--|--|
| 平台 | 外形 | Desktop | Desktop | Desktop |
| | CPU | 1 x Intel® Amston® Lake processors supporting TDP 25W | Intel® Atom® C3758R 8C/8T (16M Cache, 2.4 GHz) | Intel® Atom® C3558R 4C/4T (8M cache, 2.4 GHz) |
| | 芯片组 | Integrated in CPU | Intel® Denverton-R | Intel® Denverton-R |
| 内存 | 内存类型 | 1 x DDR5 SO-DIMM slot | 2 x DDR4 2400 MHz Non-ECC UDIMM Default: 1 x UDIMM 8GB | 2 x DDR4 2400 MHz non-ECC UDIMM Default: 1 x UDIMM 8GB |
| | 内存容量 | Based on SO-DIMM capacity | Up to 64GB (based on DIMM capacity) | Up to 64GB (based on DIMM capacity) |
| | 内存插槽 | 1 x 260-pin DDR5 SO-DIMM | 2 x 288-pin DIMM | 2 x 288-pin DIMM |
| 网络和安全 | 网络加速和安全功能 | N/A | <ul style="list-style-type: none"> Intel® AES New Instructions Intel® Memory Protection Extensions (Intel® MPX) Intel® Trusted Execution Technology Intel® QuickAssist Technology (Intel® QAT) | <ul style="list-style-type: none"> Intel® AES New Instructions Intel® Memory Protection Extensions (Intel® MPX) Intel® Trusted Execution Technology Intel® QuickAssist Technology (Intel® QAT) |
| | TPM | 1 x TPM 2.0 pin header | N/A | N/A |
| BMC | BMC 解决方案 | 1 x IEI iRIS4 Connector IPMI 2.0 BMC module (Optional) | N/A | N/A |
| 网络连接 | 网络芯片 | 4 x Intel 1GbE I210-AT | Intel 2.5GbE KT1225V SLNMH | Intel 2.5GbE KT1225V SLNMH |
| | 网络端口 | 4 x GbE RJ45 ports 1 x RJ45 for BMC module (IEI iRIS module) | 8 x 2.5GbE RJ45 LAN ports 4 x 10GbE, SFP+ | 8 x 2.5GbE RJ45 LAN ports 2 x 10GbE, SFP+ |
| | 网络模块插槽 | N/A | N/A | N/A |
| 扩展槽 | PCIe 插槽 | 1 x PCIe Mini for WiFi module | N/A | N/A |
| | M.2 | 1x M.2 B key slot for 5G module | 1 x 2242 B key slot for M.2 SATA 1 x 3052 B key slot + SIM card socket for 5G/ LTE card | 1 x 2242 B key slot for M.2 SATA 1 x 3052 B key slot + SIM card socket for 5G/ LTE card |
| 存储 | 存储 | 1 x 2240/2280 B-Key SATA SSD (PCIe Gen3 x1) | 64GB eMMC 2 x 2280 M key slots for NVMe | 64GB eMMC 2 x 2280 M key slots for NVMe |
| | USB | 2 x USB 3.0 Type-A | 2 x USB 3.0 | 2 x USB 3.0 |
| | Console | 1 x USB Type-C | 1 x RJ45 | 1 x RJ45 |
| 电源和结构 | 电源开关 | Rear: 1 x Power Button | 1 x Power button | 1 x Power button |
| | 复位开关 | Rear: 1 x Reset Button | 1 x Reset button | 1 x Reset button |
| | 电源速入 | 1 x 12V DC jack | 100 V ~ 240 V | 100 V ~ 240 V |
| | 类型/瓦特 | 12V/5A AC-DC power adaptor | Open-frame DPS-60AP-5 D; Vin: 90 ~ 264VAC; 70W | Open-frame DPS-60AP-5 D; Vin: 90 ~ 264VAC; 70W |
| | 处理器散热 | 12W: fanless 25W: fan and heatsink | 1 x Passive CPU heatsink | 1 x Passive CPU heatsink |
| | 散热方案 | N/A | 2 x Cooling fans | 2 x Cooling fans |
| 物理和环境 | 天线孔 | 8 x Antenna hole (reserved) | 3 x Antenna hole (reserved) | 3 x Antenna hole (reserved) |
| | 存储温度 | -10°C ~ 50°C | -10°C ~ 50°C | -10°C ~ 50°C |
| | 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| | 工作湿度 | 5% ~ 90% non-condensing | 5% ~ 90% non-condensing | 5% ~ 90% non-condensing |
| | 尺寸(W x L x H) (mm) | 224.5 x 170 x 42.5 | 285 x 236.6 x 46.65 | 285 x 236.6 x 46.65 |
| 操作系统和认证 | 重量 | 3 kg | 3.5 kg | 3.5 kg |
| | 认证 | By customer request | CE / FCC / RoHS | CE / FCC / RoHS |
| 指示灯 | 操作系统 | Linux Ubuntu | Linux Ubuntu 18.04 | Linux Ubuntu 18.04 |
| | LCM | N/A | 16 x 2 character with control keys | 16 x 2 character with control keys |
| | LED | 1 x Power LED, 1 x 5G LED, 1 x WiFi LED, 1 x Alert LED | 1 x Power LED, 1 x Storage LED, 1 x Alert LED | 1 x Power LED, 1 x Storage LED, 1 x Alert LED |

入门级网络设备



| | | PUZZLE-IN003A | PUZZLE-IN003B |
|---------|--------------------|--|--|
| 平台 | 外形 | Desktop | Desktop |
| | CPU | Intel® Atom® processor C3558 8M cache, up to 2.20 GHz | Intel® Atom® processor C3758 16M cache, up to 2.20 GHz |
| | 芯片组 | Integrated in CPU | Integrated in CPU |
| 内存 | 内存类型 | DDR4 2133 MHz ECC (by CPU) or non-ECC UDIMM, support DDR4 RDIMM | DDR4 2133 MHz ECC (by CPU) or non-ECC UDIMM, support DDR4 RDIMM |
| | 内存容量 | UDIMM up to 64GB / RDIMM up to 128GB | UDIMM up to 64GB / RDIMM up to 128GB |
| | 内存插槽 | 2 x 288-pin DIMM | 4 x 288-pin DIMM |
| 网络和安全 | 网络加速和安全功能 | <ul style="list-style-type: none"> Intel® AES New Instructions Intel® Software Guard Extensions (Intel® SGX) Intel® Virtualization Technology for Directed I/O (VT-d) Intel® QuickAssist Technology (Intel® QAT) | <ul style="list-style-type: none"> Intel® AES New Instructions Intel® Software Guard Extensions (Intel® SGX) Intel® Memory Protection Extensions (Intel® MPX) Intel® Virtualization Technology for Directed I/O (VT-d) Intel® QuickAssist Technology (Intel® QAT) |
| | TPM | 1 x TPM 2.0 pin header | 1 x TPM 2.0 pin header |
| 网络连接 | 网络芯片 | 1GbE NIC: Intel® I211-AT 1GbE PHY: Marvell® 88E1543 | 1GbE NIC: Intel® I211-AT 1GbE PHY: Marvell® 88E1512 10 GbE: Intel® X553 integrated in CPU |
| | 网络端口 | 4 x GbE from Intel® I211-AT 4 x GbE from Marvell® 88E1543 | 4 x 1GbE from Intel® I211-AT 2 x 1GbE from Marvell® 88E1512 2 x 10 GbE SFP+ |
| | Bypass | 2 bypass segments | N/A |
| | 网络模块插槽 | N/A | N/A |
| 扩展槽 | PCIe 插槽 | N/A | N/A |
| | M.2 | 1 x M.2 A key (PCIe Gen3 & USB 2.0) | 1 x M.2 A key (PCIe Gen3 & USB 2.0) |
| 存储 | 存储 | 1 x SATA 6Gb/s + 1 x 5V power connector (for SATA DOM) 1 x M.2 M key 2260/2280 supporting PCIe Gen3 x4 NVMe | 1 x SATA 6Gb/s + 1 x 5V power connector (for SATA DOM) 1 x M.2 M key 2260/2280 supporting PCIe Gen3 x4 NVMe |
| | USB | 1 x USB 2.0 1 x USB 3.2 Gen 1 | 1 x USB 2.0 1 x USB 3.2 Gen 1 |
| | Console | 1 x RJ45 | 1 x RJ45 |
| 电源和结构 | 电源开关 | 1 x Power switch | 1 x Power switch |
| | 复位开关 | 1 x Reset button | 1 x Reset button |
| | 电源输入 | 1 x DC jack | 1 x DC jack |
| | 类型/瓦特 | 12 V DC-in, 60W | 12 V DC-in, 60W |
| | 处理器散热 | Passive CPU heatsink | Passive CPU heatsink |
| | 散热方案 | Fanless | Two system fans |
| | 天线孔 | 2 x Antenna hole | 2 x Antenna hole |
| 物理和环境 | 存储温度 | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) |
| | 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| | 工作湿度 | 5% ~ 90% non-condensing | 5% ~ 90% non-condensing |
| | 尺寸(W x L x H) (mm) | 225 x 206 x 44.2 | 225 x 206 x 44.2 |
| | 重量 | 2 kg | 2 kg |
| 操作系统和认证 | 认证 | CE / FCC / RoHS | CE / FCC / RoHS |
| | 操作系统 | Linux Ubuntu 18.04.04 CentOS 7 / Red Hat / Fedora EPEL Microsoft Windows 10 | Linux Ubuntu 18.04.04 CentOS 7 / Red Hat / Fedora EPEL Microsoft Windows 10 |
| 指示灯 | LCM | N/A | N/A |
| | LED | 1 x Power LED, 1 x Storage LED, 1 x Alert LED | 1 x Power LED, 1 x Storage LED, 1 x Alert LED |

基于 ARM 的网络设备



| | | PUZZLE-200 | PUZZLE-100 |
|---------|--------------------|---|---|
| 平台 | 外形 | Desktop | Desktop |
| | CPU | Marvell® CN10208 8-core 2.1GHz | Marvell® A7K 88F7040 ARM v8 quad-core 1.4GHz |
| | 芯片组 | Integrated in CPU | Integrated in CPU |
| Memory | 内存类型 | 1 x DDR5 SO-DIMM slot | DDR4 1333MHz non-ECC |
| | 内存容量 | Based on DIMM capacity | 2GB |
| | 内存插槽 | 1 x 260-pin DDR5 SO-DIMM | On-board |
| 网络和安全 | 网络加速和安全功能 | N/A | N/A |
| | TPM | N/A | N/A |
| BMC | BMC 解决方案 | 1 x IEI iRIS3 IPMI connector for IPMI module (optional) 1x RJ45 for BMC module (IEI iRIS module) | N/A |
| 网络连接 | 网络芯片 | Marvell® 88E6393X, 88E2111 | Marvell® 88E6352, 88E1512 |
| | 网络端口 | 6 x GbE RJ45 ports 2 x 2.5GbE RJ45 port 2 x 10GbE SFP+ port | LAN: 5 x GbE RJ45 ports WAN: 1 x GbE RJ45 port |
| | 网络模块插槽 | N/A | N/A |
| 扩展槽 | PCIe 插槽 | N/A | N/A |
| | M.2 | N/A | N/A |
| 存储 | 存储 | 1 x eMMC 32GB | 1 x eMMC 4GB |
| | USB | 1 x USB 3.0 Type-A | 1 x USB 3.0 Type-A |
| | Console | 1 x USB Type C | 1 x USB Type C |
| 电源和结构 | 电源开关 | N/A | Rear: 1 x Power button |
| | 复位开关 | Side: 1 x Reset button | Front: 1 x Reset button |
| | 电源输入 | 1 x 12V DC jack | 1 x 12V DC jack |
| | 类型/瓦特 | 12V/6A AC-DC power adaptor | 12V/3.3A AC-DC power adaptor |
| | 处理器散热 | Fanless | Fanless |
| | 散热方案 | Fanless | Fanless |
| | 天线孔 | N/A | N/A |
| 物理和环境 | 存储温度 | -10°C ~ 50°C | -10°C ~ 50°C |
| | 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| | 工作湿度 | 5% ~ 90% non-condensing | 5% ~ 90% non-condensing |
| | 尺寸(W x L x H) (mm) | 190 x 150 x 70 | 209.9 x 151.2 x 38.1 |
| | 重量 | TBD | 0.6 kg |
| 操作系统和认证 | 认证 | By customer request | CE, FCC, VCCI, BSMI |
| | 操作系统 | Linux Ubuntu | Linux Ubuntu |
| 指示灯 | LCM | N/A | N/A |
| | LED | Front: 1 x Power LED, 1 x Information LED | Front: 1 x Power LED, 1 x Network LED, 1 x Information LED |

基于 ARM 的网络设备



| | | PUZZLE-M902 | PUZZLE-M901 | PUZZLE-M801 |
|---------|--------------------|--|--|---|
| 平台 | 外形 | N/A | N/A | 1U |
| | CPU | Marvell® CN9130 quad-core ARMv8 Cortex-A72 @ up to 2200 MHz | Marvell® CN9130 quad-core ARMv8 Cortex-A72 @ up to 2200 MHz | Marvell® ARMADA® 88F8040 quad-core System-on-Chip processor, 2.0GHz |
| | 芯片组 | Integrated in CPU | Integrated in CPU | Integrated in CPU |
| 内存 | 内存类型 | N/A | N/A | DDR4 2400 MHz ECC/Non-ECC/RDIMM |
| | 内存容量 | 4GB | 4GB | Up to 16GB |
| | 内存插槽 | N/A | N/A | 1 x 288-pin DIMM |
| 网络和安全 | 网络加速和安全功能 | N/A | N/A | <ul style="list-style-type: none"> Configurable packet processor HW offload for networking Acceleration engines for storage, networking and security Public Key Processor (RSA/DH/ECC) Secure Storage Secure boot |
| 网络连接 | 网络芯片 | Aquantia AQR112R Aquantia AQR113 | Aquantia AQR112R Aquantia AQR112C Aquantia AQR112 | 1GbE PHY: Marvell® 88E1512P 10GbE PHY: SoC Marvell® 88F8040 |
| | 网络端口 | 2 x 2.5GbE LAN integrated in CPU via PHY Aquantia AQR112R 4 x 2.5GbE LAN via Marvell® 88F8215 (PHY: Aquantia AQR112R) 1 x 10GbE LAN integrated in CPU via PHY Aquantia AQR113 2 x 10GbE LAN via Marvell® 88F8215 (PHY: Aquantia AQR113) | 1 x 2.5GbE LAN integrated in CPU via PHY Aquantia AQR112R 1 x 2.5GbE LAN integrated in CPU via PHY Aquantia AQR112C 1 x 2.5GbE LAN integrated in CPU via PHY Aquantia AQR112 1 x 2.5GbE LAN via Marvell® 88F8215 (PHY: Aquantia AQR112R) 1 x 2.5GbE LAN via Marvell® 88F8215 (PHY: Aquantia AQR112C) 1 x 2.5GbE LAN via Marvell® 88F8215 (PHY: Aquantia AQR112) | 2 x 10 GbE SFP+ 4 x 1GbE RJ45 LAN ports |
| 扩展槽 | PCIe 插槽 | N/A | N/A | 1 x PCIe x16 (FHHL) slot (PCIe Gen3 x2 signal) |
| | M.2 | M.2 2242/2280 M key (PCIe Gen3 x1) | M.2 2242 M key (PCIe Gen3 x2) | 1 x M.2 B Key (3042/2260) (SATA 6Gb/s and USB 3.2 Gen 1) Support SATA SSD or 4G LTE module (USB signal) |
| 存储 | 存储 | 1 x 4GB eMMC | 1 x 4GB eMMC | 1 x 2.5" SATA HDD/SSD bay support SATA 3.0 (6 Gbps) |
| | USB | USB 3.2 Gen 1 (5Gb/s) | USB 3.2 Gen 1 (5Gb/s) | 2 x USB 3.2 Gen 1 (5Gb/s) |
| | Console | N/A | N/A | 1 x RJ45 |
| 电源和结构 | 电源开关 | N/A | N/A | 1 x Power switch |
| | 复位开关 | 1 x Reset to factory default | 1 x Reset to factory default | 1 x Reset button |
| | 电源输入 | 12V DC | 12V DC | 100 V ~ 240 V |
| | 类型/瓦特 | 36W power adaptor | 36W power adaptor | ATX power 250W 90V~264V AC |
| | 处理器散热 | N/A | N/A | 1 x Active CPU heatsink with fan |
| | 散热方案 | 1 x System fan | Active fan | 2 x Smart cooling fans |
| 物理和环境 | 天线孔 | N/A | N/A | 1 x Antenna hole |
| | 存储温度 | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) |
| | 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| | 工作湿度 | 5% ~ 95% non-condensing, wet bulb: 27°C | 5% ~ 95% non-condensing, wet bulb: 27°C | 5% ~ 90% non-condensing |
| | 尺寸(W x L x H) (mm) | 226 x 140 x 50.5 | 166.4 x 145.7 x 34 | 430 x 320 x 44.2 |
| | 重量 | 3.6 kg | 3.6 kg | 5 kg |
| 操作系统和认证 | 认证 | CE/FCC/BSMI (BSMI safety)/VCCI, LVD | CE/FCC/BSMI (BSMI safety)/VCCI, LVD | CE / FCC / RoHS |
| | 操作系统 | OpenWrt | OpenWrt | Linux Ubuntu 16.04.04 |
| 指示灯 | LED | Status/Power, WAN/LAN interface indicator | Status/Power, WAN/LAN interface indicator | 1 x Power LED, 1 x Storage LED, 1 x Alert LED |

网络模块

For 2U Rack Mount System



| | PuIM-100G2SF-E810 | PuIM-10G2SF/T-X710 | PuIM-10G4SF/T-XL710 |
|----------|---------------------------------------|----------------------------------|----------------------------------|
| 芯片组 | Intel® E810 | Intel® X710 | Intel® XL710 |
| Bypass | N/A | N/A | N/A |
| 主机接口 | PCIe Gen4 x8 | PCIe Gen3 x8 | PCIe Gen3 x8 |
| LAN 接口 | QSFP28 | SFP+ | SFP+ |
| 速率 | 1GbE / 10GbE / 25GbE / 50GbE / 100GbE | 1GbE/10GbE | 1GbE/10GbE |
| LAN 端口数量 | 2 | 2 | 4 |
| 储存温度 | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) |
| 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| 湿度 | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing |
| 尺寸 (mm) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) |



| | PuIM-10G4SF/T-XL710-BP | PuIM-1G4SF/T-I350 | PuIM-1G8SF/T-I350 |
|----------|----------------------------------|----------------------------------|----------------------------------|
| 芯片组 | Intel® XL710 | Intel® I350-AM4 | Intel® I350-AM4 |
| Bypass | Two pairs | N/A | N/A |
| 主机接口 | PCIe Gen3 x8 | PCIe Gen2 x4 | 2 PCIe Gen2 x4 |
| LAN 接口 | SFP+ | SFP | SFP |
| 速率 | 1GbE/10GbE | 1GbE | 1GbE |
| LAN 端口数量 | 4 | 4 | 8 |
| 储存温度 | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) |
| 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| 湿度 | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing |
| 尺寸 (mm) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) |



| | PuIM-1G4T/T-I350 | PuIM-1G4T/T-I350-BP | PuIM-1G8T/T-I350 | PuIM-1G8T/T-I350-BP |
|----------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 芯片组 | Intel® I350-AM4 | Intel® I350-AM4 | Intel® I350-AM4 | Intel® I350-AM4 |
| Bypass | N/A | Two pairs | N/A | Four pairs |
| 主机接口 | PCIe Gen2 x4 | PCIe Gen2 x4 | 2 PCIe Gen2 x4 | 2 PCIe Gen2 x4 |
| LAN 接口 | RJ45 | RJ45 | RJ45 | RJ45 |
| 速率 | 1GbE | 1GbE | 1GbE | 1GbE |
| LAN 端口数量 | 4 | 4 | 8 | 8 |
| 储存温度 | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) |
| 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| 湿度 | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing |
| 尺寸 (mm) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) |

网络模块

For 1U Rack Mount System



| | PuIM-100G2SF-CX6 | PuIM-40G2SF-XL710 |
|----------|---------------------------------------|----------------------------------|
| 芯片组 | Mellanox ConnectX-6 | Intel® XL710 |
| Bypass | N/A | N/A |
| 接口 | PCIe Gen4 x16 | PCIe Gen3 x8 |
| LAN | QSFP28 | QSFP+ |
| 速率 | 1GbE / 10GbE / 25GbE / 50GbE / 100GbE | 1GbE/ 10GbE/ 40GbE |
| LAN 端口数量 | 2 | 2 |
| 存储温度 | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) |
| 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| 湿度 | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing |
| 尺寸(mm) | 162.2 (L) x 74 (W) x 41.85 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) |



| | PuIM-10G2SF-X710 | PuIM-10G4SF-XL710 | PuIM-10G4SF-XL710-BP |
|----------|----------------------------------|----------------------------------|----------------------------------|
| 芯片组 | Intel® X710 | Intel® XL710 | Intel® XL710 |
| Bypass | N/A | N/A | Two pairs |
| 接口 | PCIe Gen3 x8 | PCIe Gen3 x8 | PCIe Gen3 x8 |
| LAN | SFP+ | SFP+ | SFP+ |
| 速率 | 1GbE/ 10GbE | 1GbE/10GbE | 1GbE/10GbE |
| LAN 端口数量 | 2 | 4 | 4 |
| 存储温度 | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) |
| 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| 湿度 | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing |
| 尺寸 (mm) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) |



| | PuIM-1G4SF-I350 | PuIM-1G8SF-I350 |
|----------|----------------------------------|----------------------------------|
| 芯片组 | Intel® I350-AM4 | Intel® I350-AM4 |
| Bypass | N/A | N/A |
| 接口 | PCIe Gen2 x4 | 2 PCIe Gen2 x4 |
| LAN | SFP | SFP |
| 速率 | GbE | GbE |
| LAN 端口数量 | 4 | 8 |
| 存储温度 | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) |
| 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| 湿度 | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing |
| 尺寸 (mm) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) |

网络模块

For 1U Rack Mount System



| | PuIM-1G4T-I350 | PuIM-1G4T-I350-BP | PuIM-1G8T-I350 |
|----------|----------------------------------|----------------------------------|----------------------------------|
| 芯片组 | Intel® I350-AM4 | Intel® I350-AM4 | Intel® I350-AM4 |
| Bypass | N/A | two pairs | N/A |
| 主机接口 | PCIe Gen2 x4 | PCIe Gen2 x4 | 2 PCIe Gen2 x4 |
| LAN 接口 | RJ45 | RJ45 | RJ45 |
| 速率 | GbE | GbE | GbE |
| LAN 端口数量 | 4 | 4 | 8 |
| 存储温度 | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) |
| 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| 湿度 | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing |
| 尺寸 (mm) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) |



| | PuIM-1G8T-I350-BP | PuIM-2P1M | PuIM-M2-2S |
|----------|----------------------------------|--|---|
| 芯片组 | Intel® I350-AM4 | Integrated in CPU | Integrated in CPU |
| Bypass | Four pairs | N/A | N/A |
| 主机接口 | 2 PCIe Gen2 x4 | 1 PCIe Gen3 x4 | 2 PCIe Gen3 x4 |
| LAN 接口 | RJ45 | ASM1812 (PCIe Gen2 x4) FL1100EX (PCIe to USB 3.0, 4-port) | N/A |
| 速率 | GbE | 1 x 2230/2242 M.2 B key (PCIe Gen2, USB 3.2 Gen1) with SIM card slot | 2 x M key 2260/2280/22110 (PCIe Gen3 x4/NVMe) |
| LAN 端口数量 | 8 | 2 x PCIe Mini (PCIe Gen2, USB 2.0) with SIM card slot | N/A |
| 存储温度 | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) | -20°C ~ 75°C (-4°F ~ 167°F) |
| 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| 湿度 | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing | 5% ~ 90% RH, non-condensing |
| 尺寸 (mm) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) | 165.50 (L) x 77.8 (W) x 44.2 (H) |

存储系列

通过灵活的可扩展性实现高可靠性

iEi 威强电提供支持多操作系统的高可靠性机架式企业存储服务器系统。我们的存储服务器系列提供1U和2U外形规格，可容纳4到8个驱动器托架。

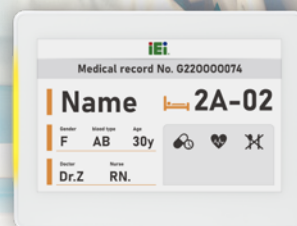
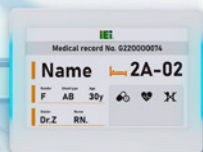
应用包括：

- 软件定义存储 (SDS)
- 大数据
- 云托管工作负载
- 备份服务器
- 多媒体服务器



| | GRAND-RE | GRAND-GL |
|--------------------|--|--|
| CPU | AMD Ryzen™ Embedded V1500B quad-core 2.2 GHz processor | Intel® Celeron® N5095 4-core/4-thread processor, burst up to 2.9 GHz |
| 加密加速 | AES-NI | AES-NI |
| 内存 | 2 x SO-DIMM DDR4 Maximum 64GB (2 x 32GB) | 2 x SO-DIMM (Max. 8GB) |
| 硬盘支架 | 8 x 3.5"/2.5" SATA 6Gb/s HDDs/SSDs | 4 x 3.5"/2.5" SATA 6Gb/s HDDs/SSDs |
| LAN 端口 | 2 x 2.5GbE LAN | 2 x 2.5GbE LAN |
| PCIe 插槽 | 1 x PCIe Gen3 x8 | N/A |
| USB 接口 | 1 x USB 3.2 Gen1 Type-A port 2 x USB 3.2 Gen2 Type-C port 1 x USB 3.2 Gen2 Type-A port | 2 x External USB 2.0 2 x External USB 3.2 Gen2 |
| HDM 输出 | Optional via a PCIe graphics card | 1 x HDMI1.4b |
| LED 指示灯 | Status/Power, LAN, USB, Drive 1 - 8 | Power/Status, LAN, USB, HDD1-4, M.2 SSD 1 - 2 |
| 按钮 | Power/Status, Reset | Power, Reset |
| 外形 | 2U Short Depth Rackmount | 1U Short Depth Rackmount |
| 尺寸(W x L x H) (mm) | 432 x 297.4 x 88.6 | 430 x 292.1 x 43.3 |
| 净重 | 9.15 kg | 5.9 kg |
| 工作温度 | 0°C ~ 40°C (32°F ~ 104°F) | 0°C ~ 40°C (32°F ~ 104°F) |
| 相对湿度 | 5% ~ 95% RH non-condensing, wet bulb: 27°C | 5% to 95% non-condensing, wet bulb: 27°C |
| 电源 | 300W (x2), 100-240V AC, 50/60 Hz | 100W PSU, 100-240V |
| 风扇 | 3 x 60mm | 3 x 40 mm |

智慧医疗



IASO

用于提高患者满意度和护理人员工作效率的数据采集终端

IASO-W07A-N6210

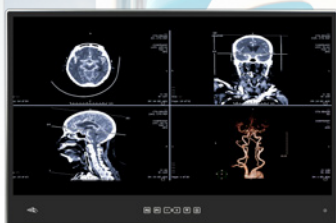
7寸配备Intel® Celeron® N6210 处理器

IASO-W10B-N6210

10寸配备Intel® Celeron® N6210 处理器

IASO-W10B-IMX8M

10寸配备 NXP i.MX 8M Mini 四核 Cortex-A53 处理器



POCi

重症监护智能护理点终端

POCi-W24C-RPL

24寸配备第13代Intel® Core™ i5/i7 移动处理器

POCi-W22C-RPL

22寸配备第13代Intel® Core™ i5/i7 移动处理器



POCm

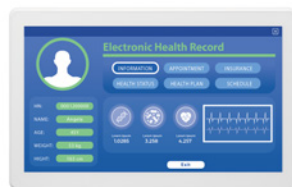
移动即时护理终端适用于非动力医疗推车

POCm-W24C-RPL

24寸配备第13代Intel® Core™ i5/i7 移动处理器

POCm-W22C-RPL

22寸配备第13代Intel® Core™ i5/i7 移动处理器



HTB

增强医疗保健边缘 AI 推理能力的医用电脑

HTB-210-Q470

第10代 Intel® Core™ i7 / i5 处理器

HTB-150-N6210

Intel® Celeron® N6210 处理器

HTB-230D-R680E

Intel® Core™ i9 处理器



AXON

医疗级不间断电源系统

AXON-mPOWER

在线 DCUPS (电力传输无延迟)

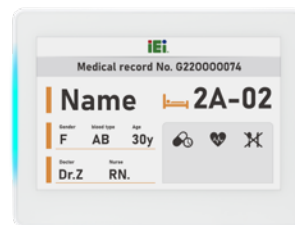
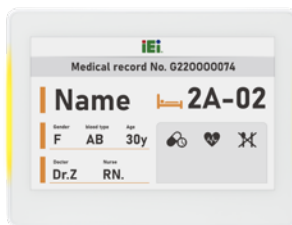
MPOCm

移动医疗显示器

MPOCm-W24

24寸支持3个热插拔电池

数据采集终端



| 型号 | | IASO-W07A-N6210 | IASO-W10B-N6210 | IASO-W10B-IMX8M |
|------------|---------------------------|--|--|---|
| LCD 规格 | LCD 尺寸 | 7" | 10.1" | |
| | 最大规格 (W/H) | 1024 x 600 | 1280 x 800 | |
| | 背光亮度 (cd/m ²) | 450 | 400 | |
| | 对比度 | 800:1 | 800:1 | |
| | LCD 颜色 | - | 16.7M (RGB 6-bit + Hi-FRC) | |
| | 像素间距 (H/V) | - | 0.1695 x 0.1695 mm | |
| | 可视角度 (H/V) | 170°/170° | 178°/178° | |
| | 背光 MTBF (hrs) | 20,000 | 30,000 (LED backlight) | |
| 触摸 | 触摸屏 | PCAP | Projected capacitive type with 10-point multi-touch and optical bonding | |
| | 触控器 | EETI | EETI | |
| | 表面硬度 | - | 6H | |
| 系统 | CPU | Intel® Celeron® Processor N6210 | Intel® Celeron® N6210 (Elkhart Lake, 6.5W TDP) | NXP i.MX 8M Mini (Quad-core Cortex-A53 up to 1.8 GHz) |
| | LAN 控制器 | Intel® I225-V | Intel® I225-V | Motorcomm YT8521 |
| | RAM | On-board LPDDR4x 8G | 1 x DDR4 SO-DIMM | On-board 4GB LPDDR4x, up to 8GB |
| | 内存 | 32GB on-board eMMC | 1 x M.2 2242 M key slot (PCIe/SATA signal) | 1 x microSD slot |
| | 音频 | 1 x AMP 1.5W speaker | AMP 1W | AMP 0.5W |
| | 相机 & 麦克风 | 1 x Digital microphone | | |
| | I/O 端口 | 1 x 12V DC jack 1 x HDMI out 1 x Reset switch 1 x Clear CMOS switch 1 x AT/ATX switch 2 x GbE LAN 6 x USB 3.2 Gen 1 (Type A) | 1 x HDMI output 1 x Reset button 1 x Power button 1 x 12V DC jack 1 x AT/ATX switch 1 x Clear CMOS 1 x RS-232 1 x Audio jack (TRRS) 1 x GbE supporting PoE (ErP is not supported in PoE mode) 2 x USB 3.2 Gen 1 (5Gb/s) | 1 x Reset button 1 x Power button 1 x 12V DC jack 1 x RS-232 1 x Audio jack (TRRS) 1 x GbE LAN optional supporting PoE 2 x USB 2.0 Type A |
| | LED | Power LED | 2 x LED light bar (each light bar has 10 programmable RGB LED with IEC62471 certification) | 2 x LED light bar |
| | Wi-Fi & 蓝牙 | IEEE 802.11 a/b/g/n/ac/ax, Intel® Wi-Fi 6 AX200, Bluetooth V5.0 | IEEE 802.11 ax 2T2R module (Intel® Wi-Fi 6E AX210) with BT v5.0 (M.2 2230 A/E key) | WiFi 802.11 a/b/g/n/ac/ax with Bluetooth V5.0 |
| | 物理结构 | 结构材质 | Front: PC; Rear cover: PC/ABS plastic | |
| 安装方式 | | VESA 75 x 75 mm | Wall, Stand and Arm; VESA 75 x 75 mm | |
| 净重/毛重 | | 0.72 kg / 1.65 kg | 1.49 kg / 2.86 kg | 1.49 kg / 2.86kg |
| 尺寸 (LxWxH) | | 190.9 x 127.3 x 43.4 mm | 261 x 196.4 x 40 mm | |
| 环境 | 工作温度 | 0°C – 40°C | | |
| | 存储温度 | -20°C – 60°C | | |
| | 湿度 | 10% – 95% (non-condensing) | | |
| | 震动 | 1G | | |
| | 冲击 | Operating shock: 5G peak acceleration (11ms duration); Non-operating shock: 15G peak acceleration (11ms duration) | | |
| | IP 等级 | - | Front: IP65 | |
| | 散热方案 | Fanless | | |
| 系统 | 支持的操作系统 | Windows 10; Windows 11; Linux Ubuntu | Android 12 | |
| 电源 | 电源输入 | - | 12V DC input | |
| | 电源适配器 | 65W medical grade power adapter | | |
| | PoE | - | Class 4 (IEEE802.3 at) PD device w/o loading taken on I/O Class 5 (IEEE802.3 bt) PD device w/ full loading taken on I/O | |
| 扩展 | 扩展 | 1 x M.2 2230 A key slot (PCIe + USB) 1 x M.2 2280 M key slot (SATA) | - | |
| 认证 | EMC & 安规 | CE, FCC Class B Part18 IEC 60601-1: 2005+AMD2:2021 (Edition 3.2) IEC 60601-1-2: 2014 (Edition 4.0) | CE, TUV CB, ICES-001, FCC Part 18 Class B UL 60601-1, IEC/EN 60601-1, IEC/EN 60601-1-2 | CE, FCC Class B Part 15B, EN 55032 2015+A11:2020, EN 55035 2017+A11:2020 EN / IEC 62368-1 |

智能护理终端



| 型号 | | POCi-W22C-RPL | POCi-W24C-RPL |
|-----------|---------------------------|---|--|
| 显示 | 显示器尺寸 | 21.5" (16:9) | 23.8" (16:9) |
| | 分辨率 | 1920 x 1080 | |
| | 背光亮度 (cd/m ²) | 350 | |
| | 对比度 | 1000:1 | |
| | LCD 颜色 | 16.7M (RGB 8-bit) | |
| | 像素间距 | 0.24795 (H) x 0.24795 (V) mm | 0.2745 (H) x 0.2745 (V) mm |
| | 可视角度 (H/V) | 178° / 178° | |
| | 背光 MTBF (hrs) | 50,000 (LED backlight) | 30,000 (LED backlight) |
| 触摸 | 触摸屏 | Projected capacitive type with 10-point multi-touch | |
| | 触控器 | EETI | |
| | 表面硬度 | 6H | |
| | 涂层 | Chemical etching AG | |
| 处理器 | 处理器 | 13th Gen Intel® Core™ i5-1340PE/ i7-1370PE | |
| LAN | LAN 控制器 | 2 x Intel® I226 Ethernet Controller | |
| | 存储 | 2 x M.2 2280 M key (PCIe) with RAID | 2 x M.2 2280 M key (PCIe) with RAID |
| | RAM | 2 x 262-pin 4800MT/s dual-channel DDR5 SO-DIMM slots (system max. 64GB) | |
| 扩展 | 扩展 | 1 x PCIe x2, 1 x M.2 2230 A-E key (PCIe+USB), 2 x M.2 2280 M key (PCIe/ SATA) with RAID | |
| 音频 | 音频 | 2 x 2W speaker | |
| | 麦克风 | 1 x Digital microphone | |
| 无线 | Wi-Fi | IEEE 802.11ax 2T2R module (Wi-Fi 6E) (M.2 2230 A-E key) | |
| | 蓝牙 | Bluetooth V5.2 | |
| I/O | I/O | Bottom 1 x AC jack 1 x HDMI output 1 x USB Type-C (DP + USB 5V/3A) 1 x Combo audio-out/mic-in 2 x RS-232 2 x 2.5GbE LAN port 4 x USB 3.2 Gen 2 (10Gb/s) port | Side 2 x USB 2.0 port |
| 按钮 | 按钮 | 1 x Power on/off | |
| 屏幕显示(OSD) | 屏幕显示(OSD) | 1 x Power on/off 1 x Reading light on/off 1 x Brightness up | 1 x Brightness down 1 x LCD & touch lock on/off 1 x DICOM mode app on/off (optional) |
| 物理结构 | 散热方式 | Fanless | |
| | 结构材质 | Front bezel: Aluminum, Rear cover: ABS+PC plastic | |
| | 安装方式 | Wall, Stand and Arm; VESA 75/100 compliant | |
| | 净重/毛重 | 6.9 kg | 8.1 kg |
| | 尺寸 (LxWxH) | 507.5 x 335.5 x 64.5 mm | 567 x 370.6 x 63.9 mm |
| 电源 | 电源输入 | 85V – 264V AC | |
| | 电源适配器 | 150W medical power adapter (optional) | |
| | 内置电源 | 150W, 85V – 264V AC, medical power supply | |
| 环境 | 工作温度 | 0°C – 40°C | |
| | 存储温度 | -20°C – 60°C | |
| | 湿度 | 10% – 95% (non-condensing) | |
| | 震动 | 1G | |
| | 冲击 | 5G peak acceleration (11ms duration) | |
| | 非工作冲击 | 10G peak acceleration (11ms duration) | |
| | IP 等级 | Front: IP66 | |
| 操作系统 | 支持的操作系统 | Windows 11; Linux Ubuntu | |
| 认证 | EMC & 安规 | CE, FCC Class B Part18 IEC 60601-1: 2005+AMD1:2012 (Edition 3.1) IEC 60601-1-2: 2014 (Edition 4.0) | |

移动医疗终端

NEW

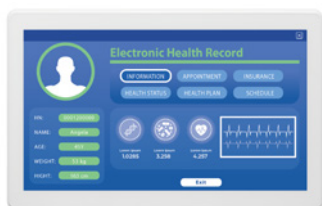
NEW



| 型号 | | POCm-W22C-RPL | POCm-W24C-RPL | |
|------------|---------------------------|---|---|--|
| LCD 规格 | LCD 尺寸 | 21.5" (16:9) | 23.8" (16:9) | |
| | 分辨率 (W/H) | 1920 x 1080 | | |
| | 背光亮度 (cd/m ²) | 350 | | |
| | 对比度 | 1000:1 | | |
| | LCD 颜色 | 16.7M (RGB 8-bit) | | |
| | 像素间距 (H/V) | 0.24795 (H) x 0.24795 (V) mm | 0.2745 (H) x 0.2745 (V) mm | |
| | 可视角度 (H/V) | 178°/178° | | |
| | 背光 MTBF (hrs) | 50,000 (LED backlight) | 30,000 (LED backlight) | |
| 触摸 | 触摸屏 | Projected capacitive type with 10-point multi-touch | | |
| | 触控器 | EETI | | |
| | 表面硬度 | 6H | | |
| 系统 | CPU | 13th Gen Intel® Core™ i5-1340PE/ i7-1370PE | | |
| | LAN 控制器 | 2 x Intel® I225 Ethernet Controller | | |
| | RAM | 2 x 262-pin 4800MT/s dual-channel DDR5 SO-DIMM slots (system max. 64GB) | | |
| | 存储 | 1 x 2.5" accessible SATA HDD bay, 2 x M.2 2280 M key (PCIe) with RAID | | |
| | 音频 | 2 x 2W speaker | | |
| | 麦克风 | 1 x Digital microphone | | |
| | 摄像头 | 8-megapixel CMOS front-facing camera | | |
| | I/O 接口 | Bottom | 1 x DC jack 1 x Digital mic 1 x HDMI output 1 x USB Type-C (DP + USB 5V/3A) 1 x DC output (12V/19V/24V, 20-watt) 2 x 2.5GbE LAN port 1 x RS-232/422/485 port 4 x USB 3.2 Gen 2 (10Gb/s) port | Side 1 x Mic in 1 x Audio out 2 x USB 2.0 port |
| | | OSD 功能 | 1 x Power on/off 1 x Volume up 1 x Volume down | 1 x Brightness up 1 x Brightness down 1 x LCD on/off and touch lock for cleaning |
| | 扩展 | 1 x PCIe Mini (PCIe) 1 x M.2 2230 A-E key (PCIe+USB) | 2 x M.2 2260/80 B-M key (PCIe) | |
| | LED | 1 x RFID indicator 1 x Power indicator | 3 x Battery indicator (color: blue/red) | |
| | Wi-Fi & 蓝牙 | IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.2 (M.2 2230 A-E key) | | |
| | 物理结构 | 结构材质 | ABS+PC plastic (ENH2900) | |
| 安装方式 | | Wall, Stand and Arm; VESA 75/100 compliant | | |
| 净重 | | 7.07 kg (without battery), 8.43 kg (with 3 batteries) | 8.18 kg (without battery), 9.53 kg (with 3 batteries) | |
| 尺寸 (LxWxH) | | 543 x 350 x 71 mm | 594.6 x 379.6 x 71 mm | |
| 环境 | 工作温度 | 0°C – 40°C | | |
| | 存储温度 | -20°C – 60°C | | |
| | 湿度 | 10% – 90% (non-condensing) | | |
| | 震动 | 1G | | |
| | 冲击 | Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 10G peak acceleration (11ms duration) | | |
| | IP 等级 | Front: IP65 | | |
| | 散热方式 | Fanless | | |
| 电源 | 电源输入 | 19V DC input | | |
| | 电源接收器 | 150W medical power adapter | | |
| | 电池 | 3 slots for Li-ion battery packs | | |
| 认证 | EMC & 安规 | CE, FCC Class B Part18 EN 60601-1: 2006/A1:2013 (Edition 3.1) EN 60601-1-2: 2015 (Edition 4.0) | | |

移动医疗显示器

NEW



| 型号 | MPOCm-W24 | |
|----------|--|---|
| LCD | LCD 尺寸 | 23.8" |
| | 分辨率 (W/H) | 1920 x 1080 |
| | 背光亮度 (cd/m ²) | 250 |
| | 对比度 | 1000:1 |
| | LCD 颜色 | 16.7M (RGB 6-bit + Hi-FRC) |
| | 像素间距 (H/V) | 0.2745 x 0.2745 mm |
| | 可视角度(H/V) | 178°/178° |
| | 背光 MTBF (hrs) | 30,000 (LED backlight) |
| 触摸 | 触摸屏 | Projected capacitive type with 10-point multi-touch |
| | 触控器 | EETI |
| | 表面硬度 | 6H |
| 音频 | 2 x 3W speaker | |
| I/O 接口 | 1 x HDMI-in 1 x DC-in jack 1 x USB 2.0 (black, Type-B) for Touch 1 x USB 3.2 Gen 1 (blue, Type-B) 2 x USB 3.2 Gen 1 (blue, Type-A) 2 x Wi-Fi SMA connector (main/aux) 2 x Variable voltage DC power output for external devices (55W in total) DC OUT1: 19V, 24V (maximum of 55 watts) DC OUT2: 5V, 12V, 15V, 19V, 24V (maximum of 50 watts) *To use battery power, at least 2 batteries must be installed and the DC outputs must work properly. | |
| OSD 功能 | 1 x LCD on/off 1 x Volume up 1 x Volume down | 1 x Brightness up 1 x Brightness down 1 x OSD menu key |
| LED | 1 x Power indicator 3 x Battery indicator (color: blue/orange) | |
| 电池管理 APP | EC UART to USB, output to the box PC | |
| 物理结构 | 结构材质 | ABS+PC plastic with anti-bacterial material |
| | 安装方式 | Wall, Stand and Arm; VESA 75/100 compliant |
| | 净重 | 8.18 kg (without battery) 9.53 kg (with 3 batteries) |
| | 尺寸 (LxWxH) | 594.6 x 379.6 x 63.2 mm |
| 环境 | 工作温度 | 0°C – 40°C |
| | 存储温度 | -20°C – 60°C |
| | 湿度 | 10% – 90% (non-condensing) |
| | 震动 | 1G |
| | 冲击 | Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 10G peak acceleration (11ms duration) |
| | IP 等级 | Front: IP65 |
| | 散热方式 | Fanless |
| 电源 | 电源输入 | 19V DC input (4-pin) |
| | 电源适配器 | 150W medical power adapter |
| | 电池 | Up to 3 hot-swappable TC-202 batteries |
| 认证 | EMC & 安规 | CE, FCC Class B Part 18 EN 60601-1: 2006/A1:2013 (Edition 3.1) EN 60601-1-2: 2015 (Edition 4.0) |

医疗嵌入式系统



| 型号 | HTB-150-N6210 | |
|---------|-----------------|---|
| 处理器 | 处理器 | Intel® Celeron® Processor N6210 |
| LAN | LAN 控制器 | Intel® I225-V |
| 系统 | 存储 | On-board eMMC 32GB |
| | 内存 | On-board LPDDR4x 8GB |
| 扩展 | 扩展 | 1 x M.2 2230 A key slot (PCIe + USB) 1 x M.2 2280 M key slot (PCIe) |
| 无线 | Wi-Fi | IEEE 802.11a/b/g/n/ax, Intel® Wi-Fi 6E AX210 (optional) |
| | 蓝牙 | v5.2 |
| I/O | 前面 I/O | 1 x Power on/off switch (with power LED) 1 x Reset button 1 x Clear CMOS 1 x AT/ATX switch 4 x USB 3.2 Gen 2 (Type A) |
| | 背部 I/O | 1 x 12V DC jack 1 x RS-232 1 x HDMI out 2 x GbE LAN |
| LED 指示灯 | LED 指示灯 | Power LED |
| 物理结构 | 散热方式 | Fanless |
| | 结构材质 | Extruded aluminum alloys |
| | 安装方式 | VESA 75 x 75 mm |
| | 净重(kg) | 0.688 |
| | 毛重 (kg) | 1.84 |
| | 尺寸 (LxWxH) (mm) | 137 x 102.8 x 36 |
| 电源 | 电源适配器 | 65W medical grade power adapter |
| 环境 | 工作温度 | 0°C – 40°C |
| | 存储温度 | -20°C – 60°C |
| | 湿度 | 10% – 95% (non-condensing) |
| | 震动 | 1G |
| | 冲击 | 5G peak acceleration (11ms duration) |
| | 非工作冲击 | 15G peak acceleration (11ms duration) |
| 操作系统 | 支持操作系统 | Windows 10; Windows 11; Linux Ubuntu |
| 认证 | EMC & 安规 | CE, TUV CB, RCM, ICES-001 FCC Part 18 Class B UL 60601-1, IEC/EN 60601-1 IEC/EN 60601-1-2 |

AI 医疗交互终端



AI 医疗电脑



| 型号 | | HTB-230D-R680E | |
|---------|---------------------------|--|---|
| 显示 | 显示尺寸 | 10.1" | |
| | 分辨率 | 1920 x 1200 | |
| | 背光亮度 (cd/m ²) | 600 | |
| | 对比度 | 900:1 | |
| | LCD 颜色 | 16.7M (8bit) | |
| | 像素间距 (mm) | 0.03764 x 0.11292 | |
| | 可视角度 (H/V) | 160°/160° | |
| 触摸 | 触摸屏 | Projected capacitive type with 10-point multi-touch | |
| | 触摸控制器 | ILI | |
| | 表面硬度 | 6H | |
| 处理器 | 处理器 | Intel® Core™ i9 processor | |
| | 芯片组 | Intel® R680E | |
| | GPU | Compatible with NVIDIA Quadro RTX Ampere series GPU | |
| LAN | LAN 控制器 | Intel® I225-V | |
| 系统 | 存储 | M.2 2280 NVMe Gen4 x4 SSD | |
| | RAM | 4 x 288-pin dual-channel DDR5 U-DIMM (up to 4400MHz), ECC & non-ECC un-buffered memory (system max. 128GB) | |
| 扩展 | 扩展 | 1 x PCIe Gen4 x16 slot for GPU 2 x PCIe Gen4 x4 slot for add-on cards 1 x M.2 2280 PCIe Gen4 x4 M key slot for SSD | |
| 音频 | 音频 | 2 x 3W speaker | |
| I/O | Front I/O | 2 x USB 3.2 Gen 2 (10Gb/s) | |
| | Rear I/O | 1 x HDMI output 1 x AC IN 1 x Speaker | 1 x Microphone 2 x 2.5 GbE LAN 4 x USB 3.2 Gen 2 (10Gb/s) |
| 按钮 | 按钮 | 1 x System power button (with power LED) 1 x Power supply switch | |
| LED 显示器 | | Power LED | |
| 物理结构 | 颜色 | White | |
| | 散热方案 | Smart fan | |
| | 机箱材质 | NCT(N); SECC | |
| | 净重 (kg) | 7.68 | |
| | 尺寸(LxWxH) (mm) | 310 x 203 x 390 | |
| 电源 | 输入 | 115V AC – 264V AC medical grade ATX power | |
| | 输出 | 700W medical power adapter | |
| 环境 | 工作温度 | 0°C – 40°C | |
| | 存储温度 | -20°C – 65°C | |
| | 湿度 | 10% – 95% (non-condensing) | |
| | 震动 | 1G | |
| | 工作冲击 | 5G peak acceleration (11ms duration) | |
| | 非工作冲击 | 15G peak acceleration (11ms duration) | |
| 操作系统 | | Windows 11; Linux Ubuntu | |
| 认证 | EMC & 安规 | CE, FCC Class B Part18, UL 60601-1, IEC/EN 60601-1, IEC/EN 60601-1-2 | |

| 型号 | | HTB-210-Q470 | |
|--------|-----------|---|--|
| 主板 | CPU | Intel® Core™ i5-10500TE (6-core, 35W TDP) Intel® Core™ i7-10700TE (8-core, 35W TDP) | |
| | 芯片组 | Intel® Q470 | |
| | 内存 | 2 x 260-pin 2666/2133MHz dual-channel DDR4 SO-DIMM ECC & non-ECC unbuffered (system max. 128GB) | |
| 存储 | 硬盘 | 1 x 2.5" SATA HDD/SSD bay | |
| I/O 接口 | USB | 1 x USB Type-C (5Gbps, w/o ALT mode) 2 x USB 3.2 Gen 1 (5Gb/s) 2 x USB 2.0 (front side) | |
| | 网络 | 2 x Intel® I225-V PCIe controller (2.5GbE) | |
| | COM Port | 1 x RS-232/422/485 | |
| | 显示 | 1 x HDMI | |
| | 分辨率 | HDMI: up to 4096 x 2304 @30Hz | |
| | 其他 | 1 x Power button 1 x AT/ATX switch | |
| 扩展 | PCIe | 1 x PCIe Gen3 x4 slot 1 x PCIe Gen3 x16 slot | |
| | M.2 | 1 x M.2 2230 A key (PCIe x2 and USB 2.0) 1 x M.2 2280 M key (PCIe x4 and SATA) | |
| 电源 | 电源输入 | 19V DC | |
| | 功耗 | 19V @4.8A | |
| | 电源适配器 | 100V – 240V AC input, 19V DC output, 180W | |
| 机箱 | 颜色 | White | |
| | 尺寸(LxWxH) | 140 x 306.7 x 171 mm | |
| | 散热方案 | Smart fan | |
| | 机箱材质 | Metal housing (SECC) | |
| 可靠性 | 工作温度 | 0°C – 40°C | |
| | 工作湿度 | 10% – 95% (non-condensing) | |
| | 存储温度 | -20°C – 60°C | |
| | 震动 | Half-sine wave shock 5G, 11ms, 100 shocks per axis | |
| | 冲击 | MIL-STD-810G 514.6C-1 (with SSD) | |
| | 净重 | 2.8 kg | |
| 认证 | 安规 / EMC | UL/ cUL FCC Part 15B EN 62368-1 Ed.2 + RMF EN 55032 + EN 55035 | |
| OS | 支持操作系统 | Windows 11, Windows 10, Linux | |

医疗发电站












| 型号 | | POCm-DOCKING-6BAY-R10 |
|---------|-----------|--|
| 电池 | 电池类型 | TC-202 (7800mAh) |
| | 电池舱 | 6 |
| | 充电时间 | 255W, Vin: 100 – 240V AC, Vout: 15V DC 3 – 3.5 hours from 0 – 100% (TC-202) |
| | 最大充电电压 | 12.6V |
| | 最大充电电流 | 2 A/bay |
| 电源 | 电源连接器 | 6-pin Molex power connector |
| | 电源开关 | AT power switch |
| LED 指示灯 | 默认 | 1 x Power LED (orange) 6 x Battery LED (blue/ orange) |
| 机箱 | 颜色 | White |
| | 尺寸(LxWxH) | 274 x 253.3 x 122.85 mm |
| | 散热方案 | Active fan |
| | 机箱材质 | NCT metal housing |
| 环境 | 工作温度 | 0°C – 40°C |
| | 存储温度 | -20°C – 60°C |
| | 工作湿度 | 20 – 90%, non-condensing |
| | 存储湿度 | 10 – 95%, non-condensing |
| 认证 | EMC & 安规 | CE EMC: EN 55032 + EN 55024) FCC part 15B report (one final test mode) UL/CB: 60950-1 & 62368 (covering 2 UL standards/ UL 60950-1 + UL 62368) 2 IEC standards/IEC 60950-1 + IEC 62368 |

| 型号 | | AXON-mPOWER-R10 |
|---------|----------|--|
| I/O | I/O | 1 x LAN: Web-based, specification 10/100Mbps with RJ-45 connection, Cat. 5 cable 2 x DC outputs DC out 1: 12V/15V/19V/24V (max: 100W*) DC out 2: 12V/15V/19V/24V (max: 100W*) * DC out 1 + DC out 2 ≤ 125W 1 x USB Type C: 5V/ 3A (Max: 15W) 1 x USB Type A (HID) 1 x AC-in: C13 connector 1 x Power on/off button |
| LED 指示灯 | LED 指示器 | 1 x System status LED 3 x Battery LED 2 x DC output LED |
| 物理结构 | 散热方案 | Smart Fan |
| | 安装方式 | VESA 100 x 100 mm |
| 电池 | 电池组类型 | 3 x 3S3P cells Lithium-ion battery |
| | 电池组容量 | 3 x 9000 mAh (3 x 97Wh) 3 x 7800 mAh (3 x 87Wh) |
| | 正常电压 | 10.8 V |
| | 电池寿命 | 260 cycles > 70% |
| | 充电电压 | 12.6 V |
| | 连续充电电源 | 2 A for each battery |
| | 连续放电电流 | 5 A (discharge power of each battery pack < 55.5W at 40°C) |
| 电源 | 输入 | 100 – 240 VAC |
| | 内置电源 | 260W medical |
| | 工作温度 | 0°C – 40°C |
| | 存储温度 | -20°C – 60°C |
| 环境 | 湿度 | 10% – 95% (non-condensing) |
| | 震动 | 1G |
| | 工作冲击 | 5G peak acceleration (11ms duration) |
| | 非工作冲击 | 15G peak acceleration (11ms duration) |
| 认证 | EMC & 安规 | FCC Part 15B EN 62368-1 Ed.2 (60601-1 Compatible) EN 55032 + EN 55035 (60601-1-2 Compatible) Battery Pack: UN38.3, IEC62133, IEC62368-1 |

1U/2U 电源

- **Safety (ITE Standard)** - CB IEC 62368, UL 62368, CSA C 22.2 No. 62368, TUV EN 62368
- **Safety (Medical Standard)** - CB IEC 60601, UL 60601, CSA C 22.2 No. 60601, TUV EN 60601
- **EMI** - Meets EN 55032, FCC Part 15, CISPR 32 Meets EN 61000-3-2, EN 61000-3-3 (PFC function)
- **EMS** - Meets EN 55024, EN 61000-4-2/3/4/5/6/8/11

*有关详细规格, 请参阅官方规格

| 1U 交流电输入 | | | | | | | | | | | | | |
|---|----------------------------|---------------------|----------------------------|----------------------|----------------------|-------------------------|-------|--------|--|------|------------|--|-------------------|
| 产品 | 型号 | 功率 AT/ATX PFC | 输入范围 | 输出范围 | | | | | 效率 | ErP | 工作温度 | 安规 | 尺寸 (mm) |
| | | | Voltage | +3.3 V | +5 V | +12 V | -12 V | +5 Vsb | | | | | |
|  | 63030-010300-000-RS | 300W ATX - | 90 ~ 265 VAC | 12 A (0 A) | 14 A (0 A) | 25 A (0.1 A) | 0.5 A | 3 A |  87% | V | 0°C ~ 50°C | CB/UL/ TUV/CCC/ CE/FCC | 150 x 81.5 x 40.5 |
|  | 63030-010220-010-RS | 220W ATX - | 90 ~ 264 VAC | 10 A (0.1 A min.) | 14 A (0.2 A min.) | 14 A (0.6 A min.) | 0.3 A | 2.5 A |  85% | V | 0°C ~ 50°C | CB/UL/ TUV/CCC/ CE/FCC | 150 x 81.5 x 40.5 |
|  | 63030-010180-000-RS | 180W ATX - | 90 ~ 264 VAC | 10 A (0.1 A min.) | 14 A (0.2 A min.) | 10 A (0.6 A min.) | 0.3 A | 2.5 A |  85% | V | 0°C ~ 50°C | CB/UL/ TUV/CCC/ CE/FCC | 150 x 81.5 x 40.5 |
|  | 63030-010150-000-RS | 150W ATX - | 90 ~ 264 VAC | 10 A (0.1 A min.) | 14 A (0.2 A min.) | 10 A (0.6 A min.) | 0.3 A | 2.5 A |  85% | V | 0°C ~ 50°C | CB/UL/ TUV/CCC/ CE/FCC | 150 x 81.5 x 40.5 |
| 1U 直流电输入 | | | | | | | | | | | | | |
| 产品 | 型号 | 功率 AT/ATX PFC | 输入范围 | 输出范围 | | | | | 效率 | 工作温度 | 安规 | 尺寸(mm) | |
| | | | Voltage | +3.3 V | +5 V | +12 V | -12 V | +5 Vsb | | | | | |
|  | 63030-010250-060-RS | 250W ATX - | 24 VDC (18 ~ 36 VDC) | 10 A | 14 A | 18 A (0.05A min.) | 0.3 A | 2.5 A | 80% | | 0°C ~ 50°C | CB UL TUV CCC NEMKO CE FCC | 150 x 81.5 x 40.5 |

PS/2 电源

- **Safety (ITE Standard)** - CB IEC 62368, UL 62368, CSA C 22.2 No. 62368, TUV EN 62368
- **Safety (Medical Standard)** - CB IEC 60601, UL 60601, CSA C 22.2 No. 60601, TUV EN 60601
- **EMI** - Meets EN 55032, FCC Part 15, CISPR 32 Meets EN 61000-3-2, EN 61000-3-3 (PFC function)
- **EMS** - Meets EN 55024, EN 61000-4-2/3/4/5/6/8/11

*有关详细规格, 请参阅官方规格

| 交流电输入 | | | | | | | | | | | | | |
|---|----------------------------|---------------------|-----------------|---------------|-----------------|---|----------------|----------------|--------------|--|-----|-------------|---------------------------------------|
| 产品 | 型号 | 功率 AT/ATX PFC | 输入范围 Voltage | 输出范围 | | | | | | 效率 | ErP | 工作温度 | 安规 |
| | | | | +3.3 V | +5 V | +12 V | -5 V | -12 V | +5 Vsb | | | | |
|  | 63010-010600-010-RS | 600W ATX PFC | 90~264 VAC | 25 A (0 A) | 25 A (0.2 A) | V1: 16 A (0.05 A) V2: 16 A (0 A) V3: 16 A (0 A) V4: 16 A (0 A) | 0.5 A (0 A) | 0.5 A | 4 A |  82% | v | 0°C ~ 50°C | CB / UL / TUV CCC / CE / FCC |
|  | 63010-010400-020-RS | 400W ATX PFC | 90~264 VAC | 21 A (0 A) | 16 A (0.2 A) | V1: 17 A (0.05 A) V2: 17 A (0 A) | 0.1 A (0 A) | 0.5 A | 3 A |  87% | v | -5°C ~ 50°C | CB / UL / TUV CCC / CE / FCC |
|  | 63010-010400-010-RS | 400W ATX PFC | 90~264 VAC | 21 A (0 A) | 16 A (0.2 A) | V1: 17 A (0.05 A) V2: 17 A (0 A) | 0.1 A (0 A) | 0.5 A | 3 A |  87% | v | -5°C ~ 50°C | CB / UL / TUV CCC / CE / FCC |
|  | 63010-010300-020-RS | 300W ATX PFC | 90~264 VAC | 19 A (0 A) | 16 A (0.2 A) | V1: 17 A (0.05 A) V2: 17 A (0 A) | 0.1 A (0 A) | 0.5 A (0 A) | 3 A (0 A) |  87% | v | 0°C ~ 50°C | CB / UL / TUV CCC / CE / FCC |
|  | 63010-010300-030-RS | 300W ATX PFC | 90~264 VAC | 19 A (0 A) | 16 A (0.2 A) | V1: 17 A (0.05 A) V2: 17 A (0 A) | 0.1 A (0 A) | 0.5 A (0 A) | 3 A (0 A) |  87% | v | 0°C ~ 50°C | CB / UL / TUV CCC / CE / FCC |

电源适配器

- **Safety (ITE Standard)** - CB IEC 62368, UL 62368, CSA C 22.2 No. 62368, TUV EN 62368
- **Safety (Medical Standard)** - CB IEC 60601, UL 60601, CSA C 22.2 No. 60601, TUV EN 60601
- **EMI** - Meets EN 55032, FCC Part 15, CISPR 32 Meets EN 61000-3-2, EN 61000-3-3 (PFC function)
- **EMS** - Meets EN 55024, EN 61000-4-2/3/4/5/6/8/11

*有关详细规格，请参阅官方规格

| 交流电输入 | | | | | | | | | | |
|---|---------------------|------|--------------|-------|--------|---|--------|------------|--|---------------------|
| 产品 | 型号 | 功率 | 输入范围 | 输出范围 | | 插口类型 | 效率 | 工作温度 | 安规 | 尺寸(mm) |
| | | | Voltage | +12 V | +19 V | | | | | |
|  | FSP150-ABAN3 | 150W | 90~264 VAC | 10 A | 7.89A |  | 87% | 0°C ~ 40°C | UL/TUV CCC/CE/ GS/PSE/KC/BSMI | 75.6 x 151.3 x 25.4 |
|  | FSP120-AHAN3 | 120W | 90~264 VAC | 10 A | |  | 87% | 0°C ~ 40°C | UL/TUV CCC/CE/ GS/PSE/KC/BSMI | 75.6 x 151.3 x 25.4 |
|  | FSP096-AHAN3 | 96W | 90~264 VAC | 8 A | |  | 88% | 0°C ~ 40°C | UL/TUV/CCC/CE/ GS/PSE/KC/BSMI/ RCM | 75.6 x 151.3 x 25.4 |
|  | FSP090-DBBN3 | 90W | 90~264 VAC | | 4.74 A | | 88% | 0°C ~ 40°C | UL/TUV/CCC/ CE/GS/PSE/ KC/BSMI/RCM/PSE | 51 x 129 x 30.9 |
|  | FSP065-RBBN3 | 65W | 90~264 VAC | | 3.42 A | | 89.54% | 0°C ~ 40°C | UL/TUV/CCC/CE/ BSMI/PSE/PSB/GS/ EAC/NOM/RCM/ IRAM/Nrcan/Nemko | 46.3 x 108.3 x 30 |
|  | FSP060-DHAN3 | 60W | 90 ~ 264 VAC | 5V | | | 85% | 0°C ~ 40°C | UL/TUV/CCC/ GS/ PSE/RCM/ CE/KC / BSMI | 62 x 110 x 31.5 |
|  | FSP036-RHBN3 | 36W | 90 ~ 264 VAC | 3 A | | | 88.3% | 0°C ~ 40°C | UL/TUV/CCC/GS/ CE/BSMI/PSE/RCM/ KC | 37.8 x 89.8 x 27 |

冗余电源

| 直流电输入 | | | | | | | | | | | | | |
|---|----------------------------|---------------------|-----------------|-----------------------|-----------------------|-----------------------|--------------------|--------------------|------------------------|-----|------------|---------------------------------------|-------------------|
| 产品 | 型号 | 功率 AT/ATX PFC | 输入范围 Voltage | 输出范围 | | | | | | 效率 | 工作温度 | 安规 | 尺寸 |
| | | | | +3.3 V | +5 V | +12 V | -5 V | -12 V | +5 Vsb | | | | |
|  | 63050-010500-010-RS | 500W ATX PFC | 90 ~ 264 VAC | 20A (0A min.) | 20A (0A min.) | 40A (1A min.) | 0.3 A (0A min.) | 0.5 A (0A min.) | 3 A | 84% | 0°C ~ 50°C | CB, UL, TUV, CCC, CE, FCC | 150 × 84 × 190 |
|  | 63050-040300-020-RS | 300W ATX PFC | 90 ~ 264 VAC | 18 A (1 A min.) | 25 A (3 A min.) | 16 A (2 A min.) | 0.5A | 0.5 A | 2 A (0.1 A min.) | 65% | 0°C ~ 50°C | CB, UL, TUV, CCC, CE, FCC | 150 × 84 × 190 |

超级电容器 UPS 模块



| 型号 | RHEA-I660A-R10 |
|-----------------------|--|
| Battery type | Supercapacitor |
| Capacity | 3V 600F x6pcs |
| Expected Lifespan | >10 years @3V 25 |
| Lifecycle | 500000 charging/discharging cycles |
| Input Voltage | 12V or 19V or 24V |
| Output Voltage | Vin 12V±10%, Vout 12V Vin 19V±10%, Vout 19V Vin 24V±10%, Vout 24V |
| Output Power | 150W |
| LED Indication | Green |
| backup Time | 200sec (exp 60w@25°C consumption) |
| I/O Connector | 2 x LED connect (10-pin) 1 x DC-in (4-pin) 1 x DC-out (4-pin) 2 x Relay (6-pin) 1 x USB 2.0 Type-A 1 x Debug (3-pin) 1 x FW flash (14-pin) 2 x Power button (2-pin) |
| Operating Temperature | -40°C ~ 60°C |
| Storage Temperature | -40°C ~ 70°C |

DC/DC 转换器模块

| 产品 | 型号 | 尺寸 | 功率 | 输入范围 | 输出范围 | | |
|---|--------------------|---------------|------|----------|--------|-------|-------|
| | | | | | 12V | 19V | 24V |
|  | IDD-936160 | 25 mm x 82 mm | 60 W | 9 ~ 36 V | 5 A | - | - |
|  | IDD-636160S | 45 mm x 95 mm | 160W | 9 ~ 36 V | 13.3A* | 8.4A* | 6.7A* |

*IDD-636160S 提供 12V/19V/24V DC 三种可选输出电压。其最大输出电流取决于所选的输出电压。

专业工程师团队-精英人才

我们敬业的团队专门为您量身定制针对特定应用程序的集成解决方案，确保您在竞争中保持领先地位。我们的产品涵盖一系列功能，包括标准和非标准电压、隔离和非隔离配置、多种形状因素、精确的电源顺序、电池充电器、机电干扰保护、热管理解决方案、远程开关功能和多功能I/O接口。



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时序/噪声分析仪 Chroma 6011



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官网



公众号



抖音



京东



bilibili

*规格如有更改,恕不另行通知

2024/06