

# PPC2-CW15-ADL

**IEI** Heavy Industrial Panel PC

Powered by Intel® Alder Lake S & Raptor Lake S platform



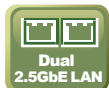
**IEI**

[WWW.IEIWORLD.COM](http://WWW.IEIWORLD.COM)



# PPC2-CW15-ADL

Panel PC equips 12/13/14th Gen Intel® Alder Lake S & Raptor Lake S series processor, HDMI 2.0 display output, dual 2.5G Ethernet port, one PCIe Gen4 x16 slot, one M.2 M key & one M.2 E key expansion slots, anti-glare & anti-UV 10-point touchscreen, and IP65 compliant front panel



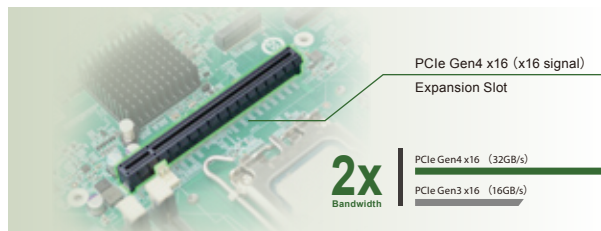
## 12/13/14th Gen Intel® Desktop Platform

Support 12/13/14th Gen Intel® Core™/Pentium® series desktop processor, and asynchronous architecture to unleash superb performance



## PCIe Gen4 x16 (x16 signal) Slot

One PCIe x16 for functional expansions like graphics cards, LAN cards or motion control cards.



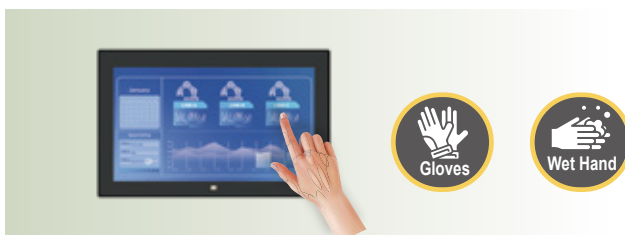
## Anti-glare and Anti-UV PCAP

With anti-glare and anti-UV coating, the 10-point touchscreen can display clearly without reflection.



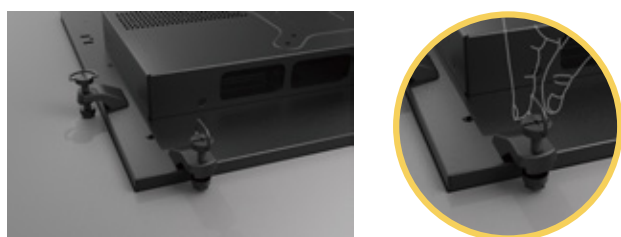
## Support Gloved and Wet Hand Operation

The whole new PCAP screen allows you to accurately manage every step of your operations even with gloves or in wet conditions.



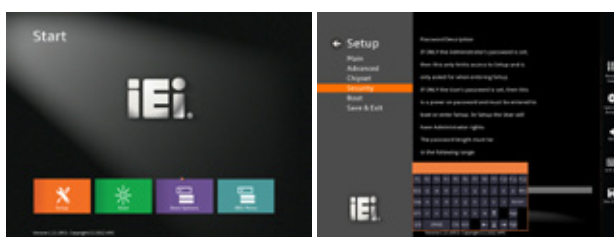
## Newly Designed Panel Mount Kit

The new refined and convenient panel mount kit can be easily fastened by hand, no screwdriver required.

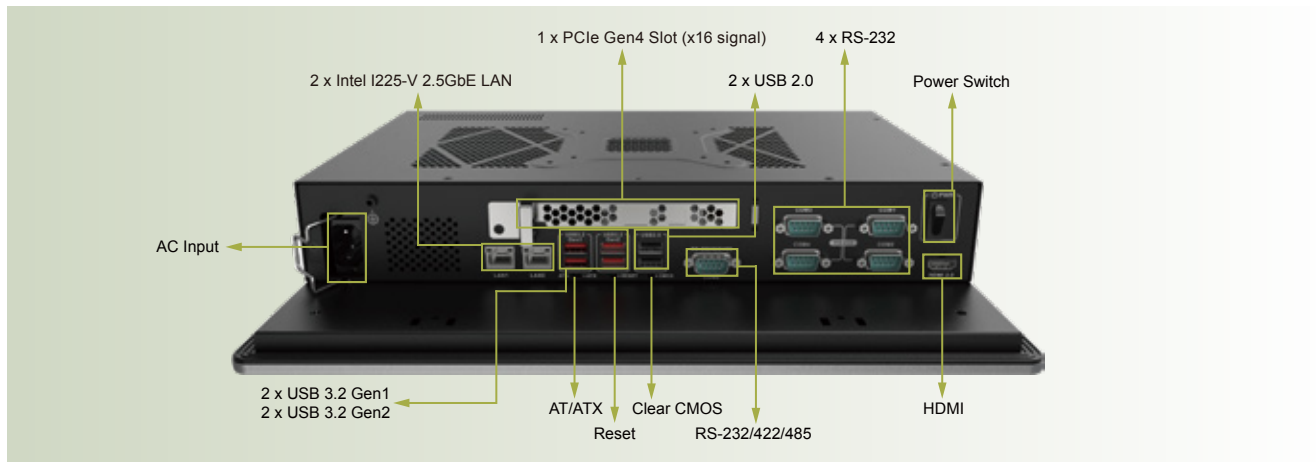


## New Graphical BIOS Interface

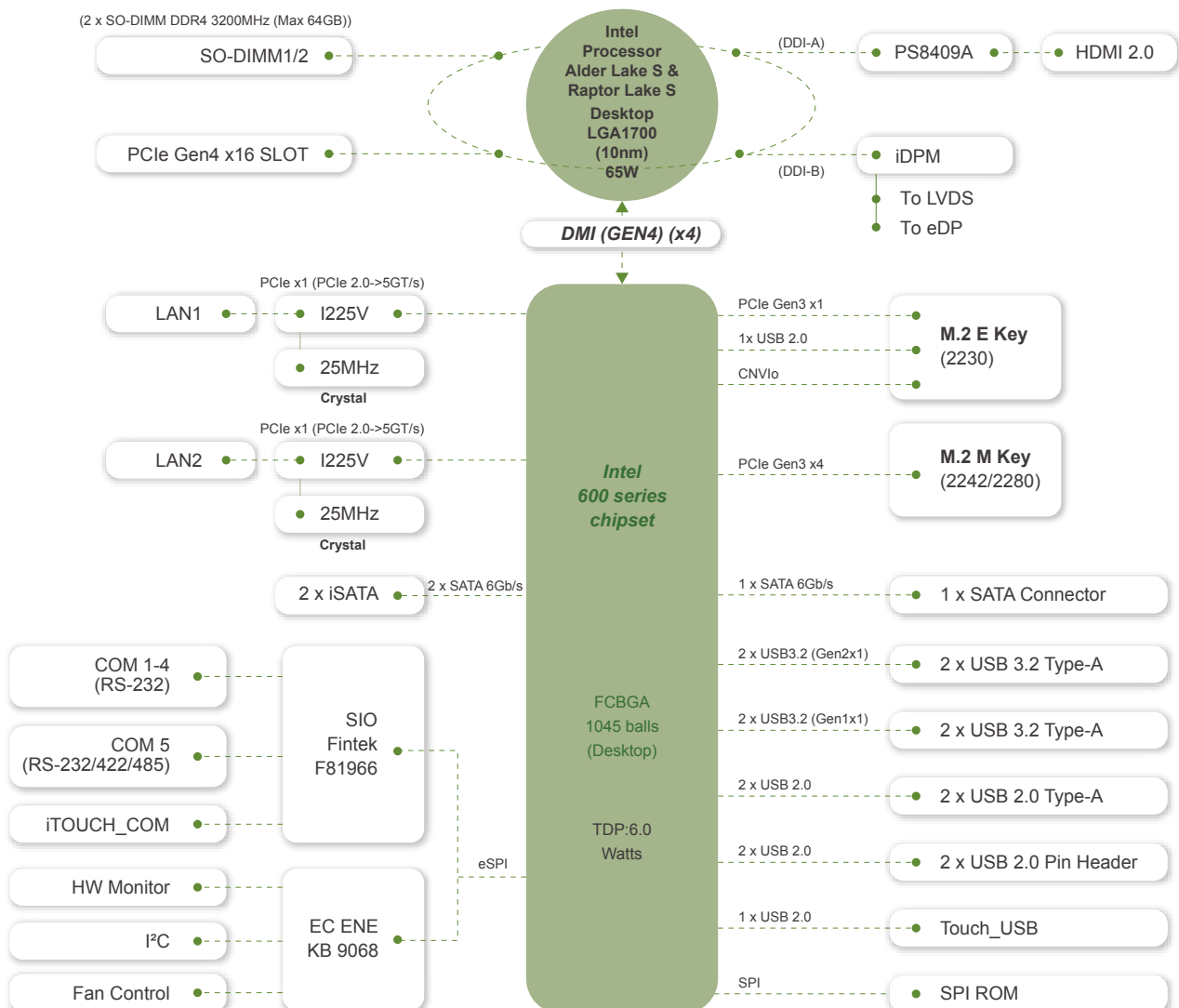
Upgraded with new BIOS interface, which can be navigated with fingers, no keyboard and mouse are required to operate.



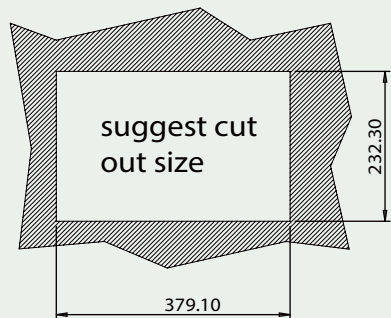
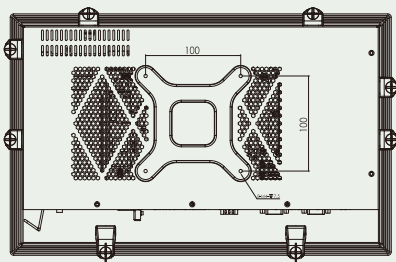
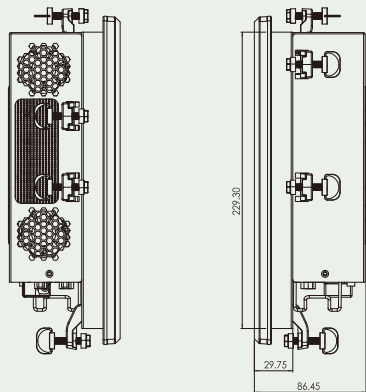
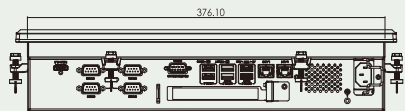
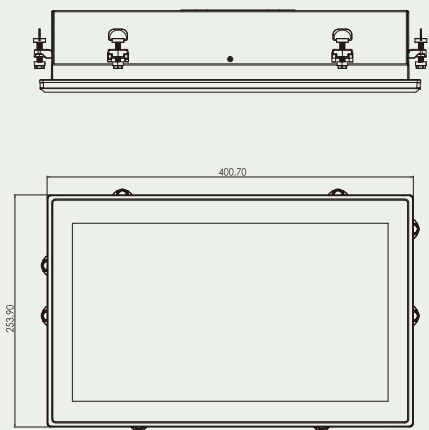
## PPC2-CW15-ADL I/O



## PPC2-CW15-ADL Block Diagram



## Dimensions



## Specifications

| Model                                    | PPC2-CW15-ADL                                                                                                                                   |                       |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| LCD Display                              | 15.6" (16:9)                                                                                                                                    |                       |
| Resolution                               | 1920 (W) x 1080 (H)                                                                                                                             |                       |
| Brightness                               | 450 cd/m <sup>2</sup>                                                                                                                           |                       |
| Contrast Ratio                           | 500: 1                                                                                                                                          |                       |
| LCD Color                                | 16.2M                                                                                                                                           |                       |
| Pixel Pitch (mm)                         | 0.252 x 0.252                                                                                                                                   |                       |
| Viewing Angle (H-V)                      | 170°/160°                                                                                                                                       |                       |
| Backlight MTBF                           | 50000 hours                                                                                                                                     |                       |
| CPU                                      | Support 12/13/14th Gen Intel® Core™ i9/i7/i5/i3 and Pentium® Processor                                                                          |                       |
| Chipset                                  | Intel® H610                                                                                                                                     |                       |
| Graphics Engine                          | New Intel® Xe Graphics architecture with SRIOV, Genlock                                                                                         |                       |
| Display Output                           | 1 x HDMI 2.0                                                                                                                                    |                       |
| Memory                                   | 2 x SO-DIMM DDR4 3200Mhz (8GB pre-installed) (up to 64GB)                                                                                       |                       |
| Touchscreen                              | Multi-point projected capacitive type<br>Surface hardness: ≥7H                                                                                  |                       |
| Touch Controller                         | Projected capacitive type: EETI EXC80 Series                                                                                                    |                       |
| Storage                                  | 1 x 2.5" SATA HDD bay (Height limit: 7.5mm)                                                                                                     |                       |
| Ethernet                                 | LAN1: Intel® I225 + LAN2: Intel® I225                                                                                                           |                       |
| Expansion                                | 1 x PCIe Gen4 x 16 slot with x16 Signal<br>1 x M.2 E-Key 2230 (PCIe Gen3 x1 + CNVio2 + USB 2.0)<br>1 x M.2 M Key 2242/2280 NVMe (PCIe Gen3 x 4) |                       |
| Mounting                                 | VESA 100 / Panel Mount / Rack Mount                                                                                                             |                       |
| Construction Material                    | Aluminum front cover and sheet metal rear cover                                                                                                 |                       |
| Enclosure Color                          | Black C                                                                                                                                         |                       |
| I/O Ports,<br>Switches and Buttons       | 1 x HDMI 2.0                                                                                                                                    | 4 x RS-232            |
|                                          | 2 x 2.5GbE RJ45                                                                                                                                 | 1 x AC input          |
|                                          | 2 x USB 2.0 (Type-A)                                                                                                                            | 1 x Power switch      |
|                                          | 2 x USB 3.2 Gen1 (Type-A) (5Gb/s)                                                                                                               | 1 x Clear CMOS button |
|                                          | 2 x USB 3.2 Gen2 (Type-A) (10Gb/s)                                                                                                              | 1 x Reset button      |
| Power Supply                             | 1 x RS-232/422/485 (RS-485 support AFC)                                                                                                         | 1 x AT/ATX switch     |
|                                          | 250W ATX power supply<br>Support AT/ATX mode                                                                                                    |                       |
| Thermal Solution                         | Smart fan (2 x CPU fan, 2 x System fan)                                                                                                         |                       |
| TPM                                      | Intel® Platform Trust Technology                                                                                                                |                       |
| Watchdog Timer                           | Software Programmable Support 1~255 sec. system reset                                                                                           |                       |
| Operating Temperature<br>(with air flow) | -10°C ~ 60°C                                                                                                                                    |                       |
| Storage Temperature                      | -20°C ~ 60°C                                                                                                                                    |                       |
| Humidity                                 | 10% to 95%@40°C (non-condensing) (50%@60°C)                                                                                                     |                       |
| IP Level                                 | IP 65 compliant front panel                                                                                                                     |                       |
| Safety and EMC                           | CE, FCC Class A, UKCA                                                                                                                           |                       |
| ErP                                      | ErP 2009/125/EC                                                                                                                                 |                       |
| Dimensions(H x W x D) (mm)               | 400.70 x 253.90 x 86.45                                                                                                                         |                       |
| Cutout Dimensions (mm)                   | 379.10 x 232.3                                                                                                                                  |                       |
| Weight (Net/Gross)                       | 5.6 kg / 9.7 kg                                                                                                                                 |                       |

## Packing List

|                     |                |
|---------------------|----------------|
| 1 x Power Cord      | 1 x QIG        |
| 1 x Panel Mount Kit | 1 x Screw Pack |

## Ordering Information

|                             |                                                                                                                                                                                                                                                                |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PPC2-CW15-ADL-i7/<br>8G-R10 | 15.6" 450 cd/m <sup>2</sup> 1920x1080 panel PC with 12th Intel® Core™ i7-12700 processor (25M cache, up to 4.90 GHz), TDP 65W, 8GB DDR4, HDMI output, 1 x PCIe Gen4 x16 slot, 1 x M.2 E key, 1 x M.2 M key, ATX/AT power supply, PCAP touchscreen with AG, R10 |
| PPC2-CW15-ADL-i5/<br>8G-R10 | 15.6" 450 cd/m <sup>2</sup> 1920x1080 panel PC with 12th Intel® Core™ i5-12400 processor (18M cache, up to 4.40 GHz), TDP 65W, 8GB DDR4, HDMI output, 1 x PCIe Gen4 x16 slot, 1 x M.2 E key, 1 x M.2 M key, ATX/AT power supply, PCAP touchscreen with AG, R10 |
| PPC2-CW15-ADL-i3/<br>8G-R10 | 15.6" 450 cd/m <sup>2</sup> 1920x1080 panel PC with 12th Intel® Core™ i3-12100 processor (12M cache, up to 4.30 GHz), TDP 60W, 8GB DDR4, HDMI output, 1 x PCIe Gen4 x16 slot, 1 x M.2 E key, 1 x M.2 M key, ATX/AT power supply, PCAP touchscreen with AG, R10 |
| PPC2-CW15-ADL-P/<br>8G-R10  | 15.6" 450 cd/m <sup>2</sup> 1920x1080 panel PC with 12th Intel® Pentium® Gold G7400 processor (6M cache, 3.70 GHz), TDP 46W, 8GB DDR4, HDMI output, 1 x PCIe Gen4 x16 slot, 1 x M.2 E key, 1 x M.2 M key, ATX/AT power supply, PCAP touchscreen with AG, R10   |

## Options

| Item       | Part No.                 | Description                                                                               |
|------------|--------------------------|-------------------------------------------------------------------------------------------|
| Rack Mount | FRKW15-PPC2-R10          | 15" 16:9 monitor rack mount kit, black                                                    |
| Stand      | STAND-C19-R10            | VESA 75/100 easy stand                                                                    |
| Wall       | AFLWK-19B                | Wall mounting kit                                                                         |
| OS         | PPC2-ADL-S-W110T24-V-R10 | OS Image with Windows® 11 Enterprise Value 64-bit 2024 LTSC for PPC2-ADL-S i3 & i5 Series |
|            | PPC2-ADL-S-W110T24-H-R10 | OS Image with Windows® 11 Enterprise High End 64-bit 2024 LTSC for PPC2-ADL-S i7 Series   |
|            | PPC2-ADL-S-W100T21-V-R11 | OS Image with Windows® 10 Enterprise Value 64-bit 2021 LTSC for PPC2-ADL-S i3 & i5 Series |
|            | PPC2-ADL-S-W100T21-H-R11 | OS Image with Windows® 10 Enterprise High End 64-bit 2021 LTSC for PPC2-ADL-S i7 Series   |
| Wi-Fi Kit  | EMB-WIFI-KIT0213-R10     | 2T2R M.2 Wi-Fi module, Wi-Fi 6E & Bluetooth 5.2                                           |