www.ieiworld.com

intel RFP READY

intel partner Titanium

iEi

MEDICAL SOLUTION

Key Advantages

25 years of experience in electronic product design and manufacture

Expertise in a wide range of technologies and vertical know-how

Specializes in IoT gateway, embedded system, panel PC, image capture and storage

Digitalized documents throughout product life cycle

100% own manufacturing facilities and experienced R&D

Partnerships with world-leading component and software companies

Key Advantages and Certifications

Certifications

By implementing dozens of industry-leading testing devices and rigorous inspection processes, our product quality is ensured at every stage, from design, development to product release.

ISO 13485: 2016 · ISO 45001: 2018 · ISO 9001: 2015 · ISO 14001: 2015 · ISO 27001: 2013 · QC 080000: 2012 · ISO 28000: 2007

REACH Compliance · Halogen Free · RoHS Compliant · FCC Class B · CE 60601-1-2 · CLASSIFIED C UL US 60601-1 · ISO 9001 SGS · ISO 13485 SGS

Awards

Winning numerous awards, IEI is a company that has earned worldwide acclaim. Both of iF Design award and Taiwan Excellence Award indicates the innovation of our products.

TAIWAN EXCELLENCE 2023 · iF DESIGN AWARD 2022

TAIWAN EXCELLENCE 2022

TAIWAN EXCELLENCE 2022

iF DESIGN AWARD 2019

TAIWAN EXCELLENCE 2020

Precise Solution for Digital Transformation in Healthcare

IEI is deeply involved in the medical industry. We continuously integrate the latest technologies to develop high-quality and reliable nursing cart computers, all-in-one panel PCs, AI box PC and other innovative products to provide high-quality medical solutions, create a good working environment for medical personnel, and ensure better medical services for patients.

Brand positioning in IEI medical products

Healthcare IT

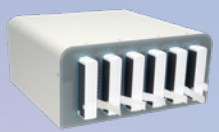
Medical Information
HIS, NIS, EMR, Vital sign, etc.

Information Gateway

Medical Imaging & Analytics
OCT, CT, MRI, etc.

Image Gateway

Mobile Healthcare & Software



POCm Docking

AXON-mPOWER

Battery monitoring app

Central Management

All-in-one Panel PC

IASO Series
7”/8”/10”

POCm Series
22”/24”

POCi Series
22”/24”

Monitor

MPOCm-W24
24”

Box PC

HTB-210

HTB-230D

HTB-150

Mobility

POCm Docking

AXON-mPOWER

Software

Battery monitoring app

Central management

Digital Transformation of Hospital

Hospital System

Ward

Bedside card

ICU

Vital sign collection

Patient Room

Digital door signs

Operating Room

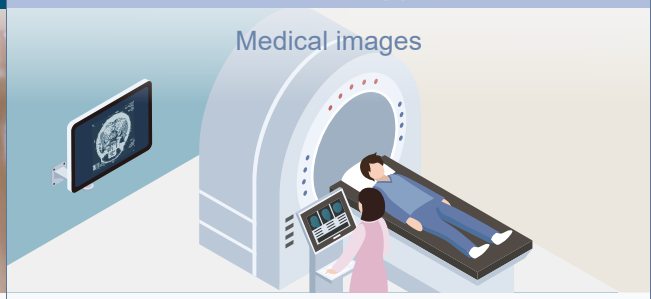
Anesthesia information solution

Clinic

Data acquisition terminal

Radiology

Medical images



IASO series

POCi series

HIS/NIS/PACS/LIS

Emergency Room

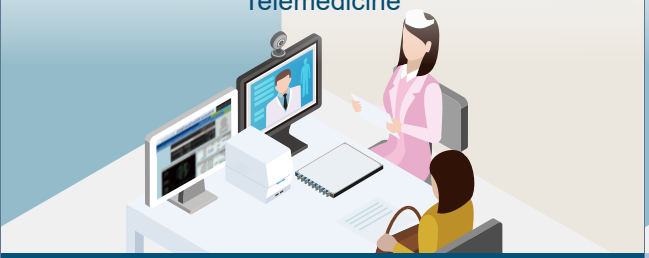
Nursing station

Examination Room

Endoscopy AI assistant solution

Outpatient Dept.

Telemedicine

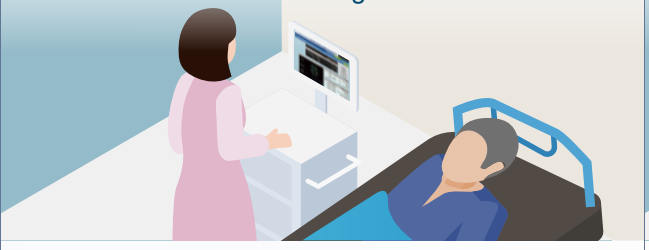


Pathology

Precision medicine

Inpatient Room

Mobile Nursing Station



Lobby

Queue management

POCm series

HTB Series

IASO-W07A-N6210

The IASO-W07A-N6210 is a 7" medical panel PC with a high-performance Intel® Celeron® N6210 processor. Tiny size with fanless design makes it suitable for various medical environment as a data gateway or HMI.

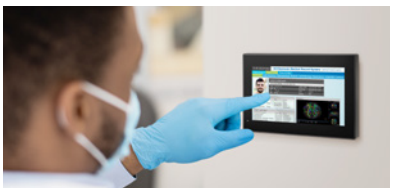
Fanless Design

Multi-touch

IP65

P-CAP Touch

- Projected capacitive touchscreen supports multi-touch & multi-layer medical gloved operation



Fanless Design

- Fanless design known as passive cooling technology not only reduces noise but also prevents the accumulation of debris causing blocked vents, potentially damaging electrical components

On-board LPDDR4x

- LPDDR4x is an enhancement bringing even lower voltage, allowing more power efficient memory and ultimately, longer battery life for your devices

Wi-Fi 6E

- It supports higher data rates, increased capacity and improved power efficiency

Wi-Fi 6E CERTIFIED

M.2 Expansion

- The M.2 2280 M key expansion slot supports SATA signal and reserved the availability for higher storage capacity

On-board eMMC

- It is ideal for demanding applications and is highly reliable. Considering its size, eMMC is capable of handling extremely large amounts of data in such a small footprint

32GB

- IP65 compliant front panel with true-flat design makes it easy to clean

- Universal VESA 75 mounting holes

- Default up to six USB 3.2 ports greatly enhance the flexibility and device connectivity

IASO-W10B-N6210 & IASO-W10B-IMX8M

The IASO-W10B-N6210 and IASO-W10B-IMX8M are 10.1" medical panel PCs with high-performance Intel® Celeron® N6210 and NXP i.MX 8M Mini processor. There are programmable LED light bars on both sides. It is a data acquisition terminal designed for medical professionals to improve clinical work and workflow efficiency.

LED light bar | RFID reader | Multi-touch | IP65

Intel® / NXP® CPU

- Intel® Celeron® N6210
- NXP® i.MX 8M Mini Quad-core Cortex-A53

Programmable LED Light Bars

- Bright and simple outlook with programmable LED lights on both sides. Each light bar has 10 programmable RGB LEDs

▶ IEC62471 certification

Power over Ethernet (optional)

- IASO-W10B-N6210 compliant with IEEE802.3at Class 4 & IEEE 802.3bt Class 5
- Providing efficient power with less cabling for best performance

In-wall Mounting

- It can be embedded in or on a wall

AI Audio Analytics

- Real-time detect emergencies in the hospital, including under-staffed areas, restricted areas and surveillance blind spots. Notify staffs to enable faster response and reduce rescue time

RFID Reader (optional)

- An RFID dualband card is capable of reading both 125 kHz and 13.56 MHz credentials

10-point touch screen with optical bonding

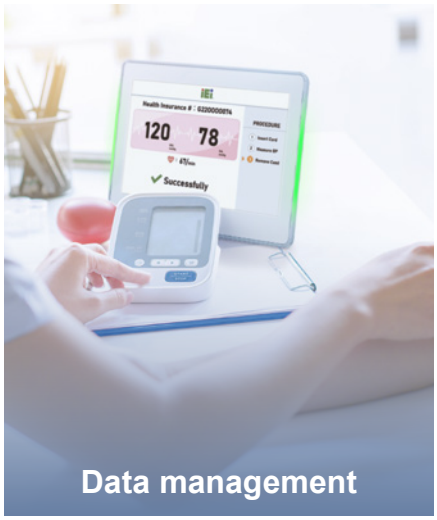
- Humid & Dust Protection
- Anti-UV
- Medical Gloved Touch
- Reduced Weight
- Better Visibility

IASO-W10B-N6210 I/O Interface

1GbE supporting PoE
(ErP is not supported in PoE mode)

IASO-W10B-IMX8M-R10 I/O Interface

Applications



Data management

Bedside card

Patient room display

POCi-W22C/W24C-ULT5

The POCi series is an intelligent medical grade panel PC featuring PCIe x4 expansion slot for integrating optional value-added cards. Moreover, DICOM preset and isolated COM and LAN ports make safe operation in medical critical care scenarios such as radiology, telemedicine, endoscopy system or surgical working station.

RFID reader

Multi-touch

Modular PCIe

DICOM Module

Reading light

Isolated I/O

Intel® Core™ i5/i7 Processor

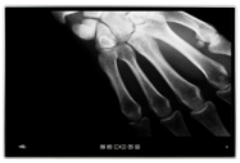
- Intel® Core™ i5-8365UE (Whiskey Lake ULT platform)
- Intel® Core™ i7-8665UE (Whiskey Lake ULT platform)

IPS Panel with Chemical Etching AG Coating Glass

- High-performance IPS panel enables a wide 178° viewing angles and advanced visual performance. The chemical etching AG coating reduces visual fatigue resulting from light interference

DICOM Preset Module (optional)

- The way the human eye responds to contrasts in light levels is not linear. Calibration of the display system is important to ensure that each image is shown consistently every time it is viewed



Chemical Resistance

- Sterilization is a daily routine of hospitals. Aluminum front frame is not only lightweight but also very durable for chemical erosion. The PC/ABS back cover is also carefully selected and proved to be resistant to the commonly seen detergents

Modular Expansion Design

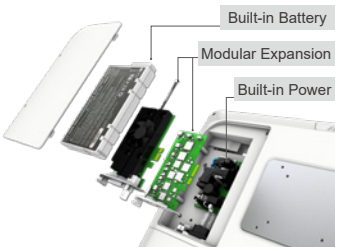
- The highly expandable PCIe x4 slot makes the whole system more flexible and easily meet the individual needs from different applications, for instance, adopting the AI accelerator card to enhance computing power

AI Accelerator Card

PoE Injector Card

Built-in Battery/Power (optional)

- The lateral expansion slot is available for a built-in battery or a built-in medical-grade power supply system



Ultra-slim Aluminum Front Bezel

Accessible HDD Cover & Cable Cover

2.5” SSD/HDD

2242, 2260 and 2280 M.2 SSD


M.2 2242 SSD


M.2 2260 SSD


M.2 2280 SSD

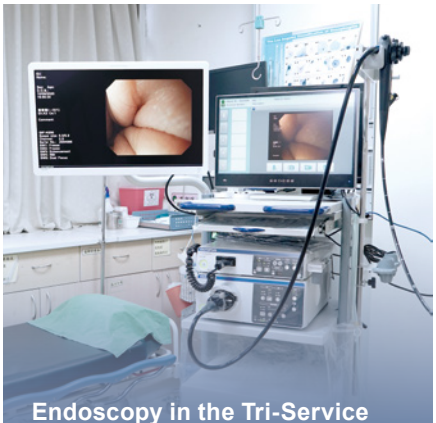
1.5kV Isolated COM & LAN Ports

Dual Reading Lights

IEC 62471 compliant LEDs

Applications

Operating room anesthesia information solution (Taiwan)



Endoscopy in the Tri-Service General Hospital Songshan Branch (Taiwan)

Fertility & Reproductive Genetic Center at the Chang Geng Medical Foundation (Taiwan)

POCm-W22C/W24C-RPL

The POCm series is a mobile point-of-care terminal specially designed for hospital nurses and medical professionals. With three hot-swappable batteries, the POCm terminals can be flexibly deployed for a wide range of mobile applications such as mobile nursing care and telehealth.

RFID reader

Fanless

Hot-swappable batteries

Multi-touch

IP65

Intel® Core™ i5/i7 processor (optional)

- 13th Generation Intel® Core™ i5 / i7 processors (code name: Raptor Lake)

IP65 Anti-bacteria Housing

- Anti-bacteria housing with IP65 front panel

DDR5 Memory

- Support two 4800MT/s dual-channel DDR5 SO-DIMM slots

Larger Battery Capacity

- Same compact design with an increased battery capacity. Compared to the previous generation, the battery capacity is 1.2x larger, and the charging speed is faster, saving up to 12% of charging time

Smart Charging

- Each battery slot has maximum 6A charging current to meet Quick Charge according to system power consumption and temperature situation

Docking Station (optional)

- POCm-DOCKING-6BAY-R10 is a battery docking station with fast charging which takes only 3.5 hours to charge from 0 to 100%. Built-in power supply eliminates the cable mess

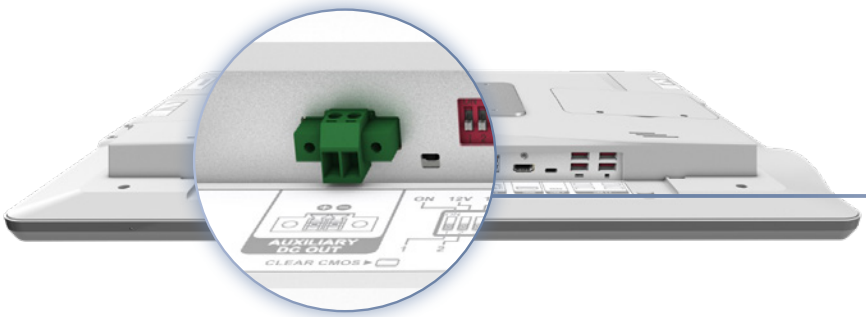
Hot-swappable Batteries

8MP Front Camera

Lightweight & Efficient Heatsink

Optimized design reduces weight and ensures better thermal transmission for improved cooling

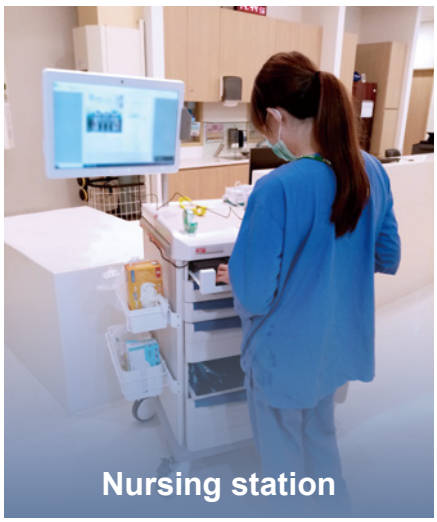
10-point PCAP Touch Screen



Configurable DC Output

DC output (12V/19V/24V, 20W)

Applications



MPOCm-W24

The MPOCm-W24 is a medical monitor with 3 hot-swappable batteries, and it can perfectly fit with thin client box PC. It is ideal for improving caregivers' working efficiency and mobility.

Fanless

IP65

Multi-touch

Hot-swappable batteries

Full HD 1080
FHD Medical Monitor

2 DC
Outputs

Fanless Design

- Fanless design known as passive cooling technology not only reduces noise but also prevents the accumulation of debris causing blocked vents, potentially damaging electrical components

IP65 Front Panel

- IP65 front panel can protect from total dust ingress and low-pressure water jets from any direction

FHD Medical Monitor

- Medical monitor with Full HD (FHD) 1080p image resolution (1,920 x 1,080 pixels) to increase work conveniences for medical professionals

10-point PCAP Touch

- 10-point touch screen with surface scratch resistance supports control with multiple layers of surgical gloves

Internal Wi-Fi Antenna

- Internal Wi-Fi antenna provides the best wireless coverage and distributes the signals much evenly

Battery LED Indicator

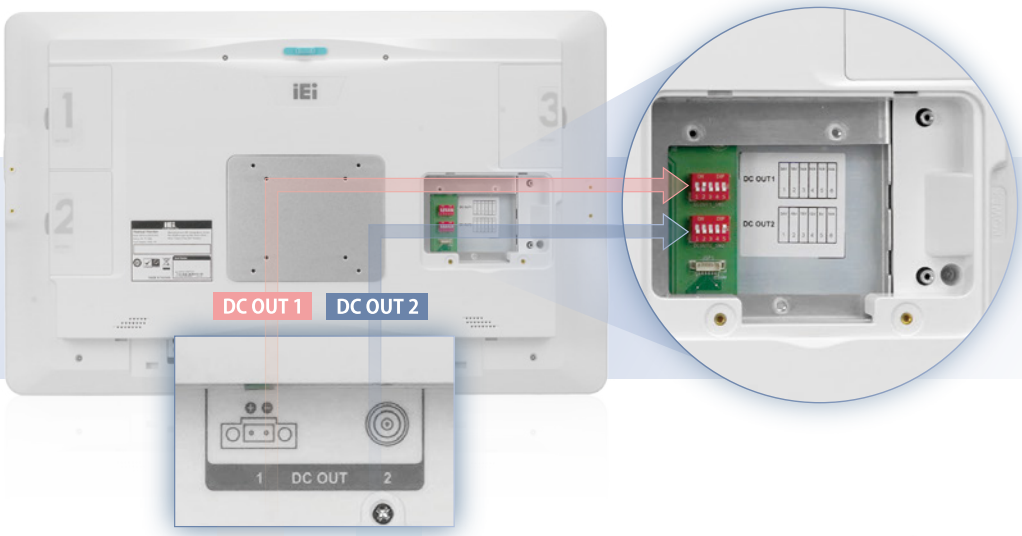
- The battery LED indicator on the front bezel shows the status of batteries

Easy Sterilization

True flat OSD button design

3 Hot-swappable Battery Packs

Configurable DC Outputs



45W
(19V, 24V)

DC OUT 1
For embedded system

10W
(5V, 12V, 15V, 19V, 24V)

DC OUT 2
For other devices

HTB-150-N6210

The HTB-150-N6210 is a medical grade embedded system with a high-performance Intel® Celeron® N6210 processor. Palm size with fanless design makes it a perfect medical IoT edge device for data communication or integration with medical devices.

Fanless

eMMC 32GB

LPDDR4x 8GB

Space saving

Medical certification

Intel® Celeron® Processor

- The processor offers up to a 1.5-1.7x improvement in computing performance, and up to 2x performance improvement in graphics compared to previous generation processors

On-board eMMC

- It is ideal for demanding applications and is highly reliable. Considering its size, eMMC is capable of handling extremely large amounts of data in such a small footprint

Fanless Design

- It can reduce noise and prevent the accumulation of debris causing blocked vents, potentially damaging electrical components

Wi-Fi 6E (optional)

- Supports higher data rates, increased capacity and improved power efficiency

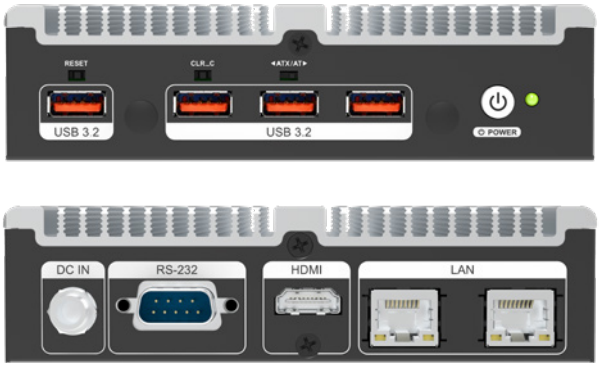
M.2 Expansion

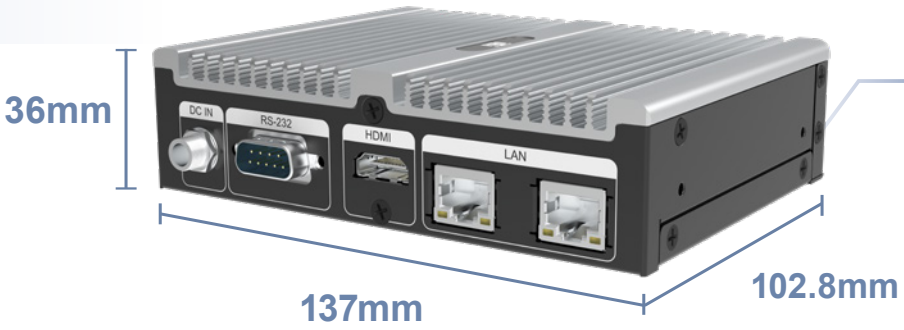
- The M.2 2280 M key expansion slot supports PCIe 3.0/SATA signal and reserved the availability for higher storage capacity

On-board LPDDR4x

- LPDDR4x is an enhancement bringing even lower voltage, allowing more power efficient memory and ultimately, longer battery life for your devices

Basic communication I/O for device integration



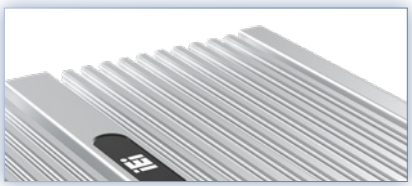


Compact size

It is small enough to fit in the palm of your hand, making it convenient to carry and use in any setting. Its small size makes it versatile and suitable for various environments.

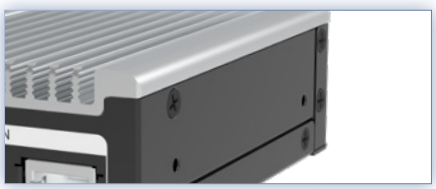
Large area of heat fins

Heat fins are metal fins that increase the surface area for heat dissipation, improving the cooling performance. The larger the area of the heat fins, the more effective they are in dissipating heat.



Metal chassis

The housing is entirely made of metal, enhancing cooling, durability and strength.



HTB-230D-R680E

The HTB-230D-R680E is a AI precision medicine solution designed to highly integrate into the medical environment. It helps medical staffs find symptoms earlier via AI analytics and inference, shorten the time for pathological analysis and optimize patients' treatment plans. It is ideal to work in many kinds of medical scenario such as endoscopy AI, orthopedic AI, hematology, examination room, pathology and radiology.

DDR5 Memory

AI Computing

Multi-touch

13th Generation Intel® Core™ Processor

- Intel® 7
- Up to 24 cores & 32 threads
- Socket-compatible with Alder Lake
- Internal Graphics

Touch Screen

- 10-point touch screen with 6H surface scratch resistance supports control with multiple layers of surgical gloves

M.2 NVMe PCIe SSD

- Compared to SATA SSD, PCIe NVMe SSD significantly improves bandwidth and provides faster response time.

USB 3.2

- Dual USB 3.2 Gen 1 (front)
- 4 x USB 3.2 Gen 2 (rear)

DDR5 Memory

- Support four DDR5-4000/4400 UDIMM ECC & non-ECC memory modules

NVIDIA GPU Card

- Support NVIDIA GPU card up to Quadro A6000

Medical-gloved touch

Humid & dust protection

10-point touch screen with 6H surface scratch resistance supports control with multiple layers of surgical gloves.

A 1 x PCIe Gen4 x16 slot for GPU
2 x PCIe Gen4 x4 slot for add-on cards

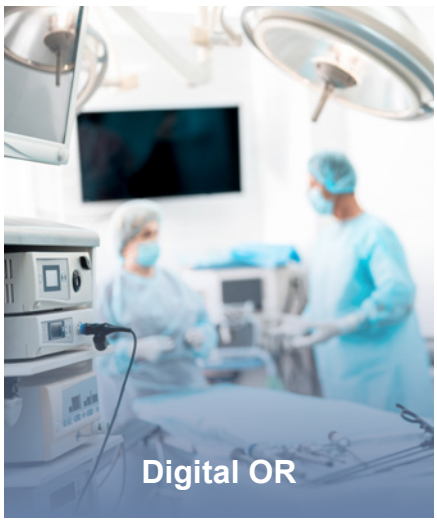
B 13th Gen Intel® Core™ i9 processor
(code name: Raptor Lake)

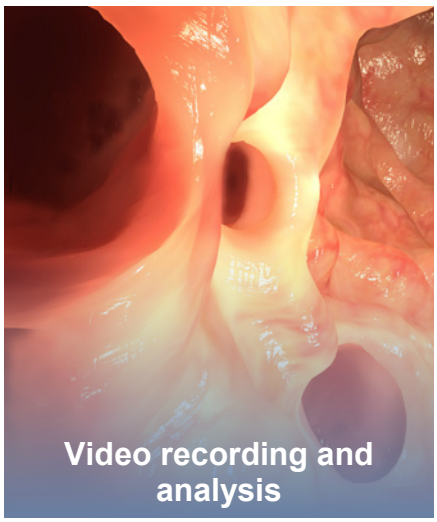
C 4 x 288-pin dual-channel DDR5 U-DIMM, ECC & non-ECC un-buffered memory (system max. 128GB)

D 700W medical grade power supply

E M.2 2280 PCIe Gen4 x4 NVMe SSD

Applications





HTB-210-Q470

The HTB series is a space-saving AI precision medicine solution designed to highly integrate into the medical environment. It helps medical staffs find symptoms earlier via AI analytics and inference, shorten the time for pathological analysis and optimize patients' treatment plans. Many kinds of medical scenarios are suitable for its use, such as endoscopy AI, orthopedic AI, hematology, examination room, pathology and radiology.


Smart Fan


USB 3.2


PCIe slot


HDMI


Type C


Dual GbE

TAIWAN EXCELLENCE 2023

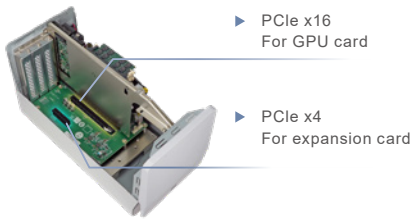
DESIGN AWARD 2022

Intel® Core™ i5/i7 Processor

- Improve productivity and stunning entertainment up to 5.3 GHz
- Intel® Wi-Fi 6 (Gig+)
- Thunderbolt™ 3 technology
- 4K HDR
- Intelligent system optimization

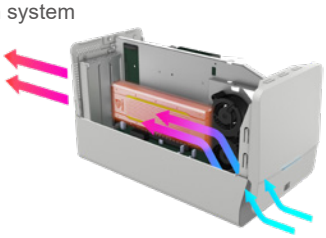
PCIe x16 and PCIe x4 Expansions

- High compatibility for the expansions. PCIe x4 and PCIe x16 slots allow the end-user to choose accelerator cards based on their different needs



Unique Thermal Solution

- Catering to NVIDIA® Tesla T4 passive heat sink design, IEI adopts blower-ventilation solution that not only creates a strong air flow but also minimizes the noise made by fan system



Compact Size

- The compact chassis in pure white makes it possible to fit in any medical scenario. The metal housing is corrosion-resistant

Compact Edge Device

- Compact edge device with great computing & graphics performance

AI Inference

- Built-in with pre-trained model for AI inference in medical image processing

- 2 x 2.5GbE LAN
- 2 x USB 2.0 (front side)

- Accessible HDD

Applications

Medical All-in-One Panel PC

Model		IASO-W07A-N6210
Display	Display Size	7"
	Resolution	1024 x 600
	Brightness (cd/m²)	450
	Contrast Ratio	800:1
	Viewing Angle (H/V)	170°/170°
	Backlight MTBF (hrs)	20,000
Touch	Touchscreen	PCAP
	Touch Controller	EETI
Processor	Processor	Intel® Celeron® Processor N6210
LAN	LAN Controller	Intel® I225-V
System	Storage	32GB on-board eMMC
	RAM	On-board LPDDR4 / LPDDR4x 8GB
Expansion	Expansion	1 x M.2 2230 A key slot (PCIe + USB) 1 x M.2 2280 M key slot (SATA)
Audio	Audio	1 x AMP 1.5W speaker
Wireless	Wi-Fi	IEEE 802.11 a/b/g/n/ac/ax, Intel® Wi-Fi 6 AX200
	Bluetooth	Bluetooth V5.0
I/O	I/O	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)
Button	Button	1 x Power on/off
LED Indicator	LED Indicator	Power LED
Physical	Thermal	Fanless
	Mounting	VESA 75 x 75 mm
	Weight (Net) (kg)	0.72
	Weight (Gross) (kg)	1.65
	Dimensions (LxWxH)	190.9 x 127.3 x 43.4 mm
Power	Power Adapter	65W medical grade power adapter
Environment	Operating Temperature	0°C – 40°C
	Storage Temperature	-20°C – 60°C
	Humidity	10% – 95% (non-condensing)
	Vibration	1G
	Operating Shock	5G peak acceleration (11ms duration)
	Non-operating Shock	15G peak acceleration (11ms duration)
Operating System	Supported OS	Windows 10; Windows 11; Linux Ubuntu
Certification	EMC & Safety	CE, FCC Class B Part18 IEC 60601-1: 2005+AMD2:2021 (Edition 3.2) IEC 60601-1-2: 2014 (Edition 4.0)

Model		IASO-W10B-N6210	IASO-W10B-IMX8M-R10
LCD Specifications	LCD Size	10.1"	
	Max. Resolution (W/H)	1280 x 800	
	Brightness (cd/m²)	400	
	Contrast Ratio	800:1	
	LCD Color	16.7M (RGB 6-bit + Hi-FRC)	
	Pixel Pitch (H/V)	0.1695 x 0.1695 mm	
	Viewing Angle (H/V)	178˚/178˚	
	Backlight MTBF (hrs)	30,000 (LED backlight)	
Touch	Touchscreen	Projected capacitive type with 10-point multi-touch and optical bonding	
	Touch Controller	EETI	
	Surface Hardness	6H	
System	CPU Support	Intel® Celeron® N6210 (Elkhart Lake, 6.5W TDP)	NXP® i.MX 8M Mini (Quad-core Cortex-A53 up to 1.8 GHz)
	LAN Controller	Intel® I225-V	1 x GbE RJ45 Motorcomm YT8521 with Optional PoE
	RAM	1 x DDR4 SO-DIMM slot	1 x 4GB LPDDR4X-3200, up to 8GB
	Flash	-	32GB eMMC NAND FLASH, up to 128GB
	Storage	1 x M.2 2242 M key slot (PCIe/SATA signal)	1 x Micro SD slot
	Audio	AMP 1W	2 x 0.5W (internal speaker)
	Speaker	1W internal speaker	-
	Camera & Microphone	1 x Digital microphone	-
	I/O Port	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 supporting PoE 2 x USB 2.0 Type A
	LED	2 x LED light bar (each light bar has 10 programmable RGB LED with IEC62471 certification)	
	Wi-Fi & Bluetooth	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
Physical	Color	White	-
	Thermal	Fanless	
	Construction Material	Front: PC Rear cover: PC/ABS plastic	
	Mounting	Wall, Stand and Arm; VESA 75/100 compliant	
	Weight (Net / Gross)	1.49 kg / 2.86 kg	1.49 kg / 2.86kg
	Dimensions (LxWxH)	261 x 196.4 x 40 mm	
Environment	Operating Temperature	0°C – 40°C	-
	Storage Temperature	-20°C – 60°C	
	Humidity	10% – 95% (non-condensing)	
	Vibration	1G	
	Shock	Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 15G peak acceleration (11ms duration)	
	IP Level	Front: IP65	
Power	Power Input	12V DC input	
	Power Adapter	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	
Operating System	Supported OS	Windows 10; Windows 11; Linux ubuntu	-
Certification	EMC & Safety	CE, FCC Class B Part18, 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

Medical All-in-One Panel PC

TAIWAN EXCELLENCE 2022

Model		POCi-W22C-ULT5	POCi-W24C-ULT5
LCD Specifications	LCD Size	21.5" (16:9)	23.8'' (16:9)
	Max. Resolution (W/H)	1920 x 1080	
	Brightness (cd/m²)	350	
	Contrast Ratio	1000:1	
	LCD Color	16.7M (RGB 6-bit + Hi-FRC)	
	Pixel Pitch (H/V)	0.24795 x 0.24795 mm	0.2745 × 0.2745 mm
	Viewing Angle (H/V)	178˚/178˚	
	Backlight MTBF (hrs)	30,000 (LED backlight)	
Touch	Touchscreen	Projected capacitive type with 10-point multi-touch	
	Touch Controller	EETI (80H84)	
	Surface Hardness	6H	
	Coating	Chemical AG etching	
System	CPU Support	Intel® Core™ i5-8365UE (Whiskey Lake ULT platform) Intel® Core™ i7-8665UE (Whiskey Lake ULT platform)	
	LAN Controller	1 x Intel® I211 Ethernet Controller 1 x Intel® I219 Ethernet Controller (AMT 12.x supported by i7/i5 SKUs)	
	RAM	2 x 260-pin 2400/2133MHz dual-channel DDR4 SO-DIMM, 4GB pre-installed (system max. 64GB)	
	Storage	1 x M.2 2242/60/80 M key (PCIe x4) 1 x 2.5" accessible SATA HDD/SSD bay	
	Audio	2 x 2W speaker	
	I/O Port	Bottom 1 x DC jack 1 x HDMI output 1 x Isolated 1.5kV RS-232 1 x Combo audio-out/mic-in 1 x Isolated Gigabit LAN (I211) 1 x Isolated Gigabit LAN (I219 supports Intel® vPro) 4 x USB 3.2 Gen 2 (10Gb/s) port	Side 2 x USB 2.0 port
	OSD Function	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)
	Expansion	1 x PCIe x4	
	LED	1 x RFID indicator (optional) 2 x LED reading light	
	Wi-Fi & Bluetooth	IEEE 802.11ax 2T2R module (Wi-Fi 6) with BT v5.0 (M.2 2230 A-E key)	IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.0 (M.2 2230 A-E key)
Physical	Construction Material	Front bezel: Aluminum die-casting Rear cover: ABS+PC plastic (chemical resistant)	
	Mounting	Wall, Stand and Arm; VESA 75/100 compliant	
	Weight (Net)	6.9 kg	8.1 kg
	Dimensions (LxWxH)	507.5 x 335.5 x 64.5 mm	567 x 370.6 x 63.9 mm
Environment	Operating Temperature	0°C – 40°C	
	Storage Temperature	-20°C – 60°C	
	Humidity	10% – 95% (non-condensing)	
	Vibration	1G	
	Shock	Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 15G peak acceleration (11ms duration)	
	IP Level	Front: IP66	
	Thermal	Fanless	
Power	Power Input	19V DC input	
	Power Adapter	150W medical power adapter	
	Battery	3S3P Li-ion battery pack, 11.1V, 7800mAh (optional)	
	Built-in Medical Power	150W, 85V – 264V AC, medical power supply (optional)	
Certification	EMC & Safety	CE, FCC Class B Part18 EN 60601-1: 2006/A1:2013 (Edition 3.1) EN 60601-1-2: 2015 (Edition 4.0)	

Model		POCm-W22C-RPL	POCm-W24C-RPL
LCD Specifications	LCD Size	21.5" (16:9)	23.8" (16:9)
	Max. Resolution (W/H)	1920 x 1080	
	Brightness (cd/m²)	350	
	Contrast Ratio	1000:1	
	LCD Color	16.7M (RGB 8-bit)	
	Pixel Pitch (H/V)	0.24795 (H) x 0.24795 (V) mm	0.2745 (H) x 0.2745 (V) mm
	Viewing Angle (H/V)	178°/178°	
	Backlight MTBF (hrs)	50,000 (LED backlight)	30,000 (LED backlight)
Touch	Touchscreen	Projected capacitive type with 10-point multi-touch	
	Touch Controller	EETI	
	Surface Hardness	6H	
System	CPU Support	13th Gen Intel® Core™ i5-1340PE/ i7-1370PE (Raptor Lake-P)	
	LAN Controller	2 x Intel® I225 Ethernet Controller	
	RAM	2 x 262-pin 4800MT/s dual-channel DDR5 SO-DIMM slots (system max. 64GB)	
	Storage	1 x 2.5"" accessible SATA HDD bay 2 x M.2 2280 M key (PCIe) with RAID	
	Audio	2 x 2W speaker	
	Microphone	1 x Digital microphone	
	Camera	8-megapixel CMOS front-facing camera	
	I/O Port	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 Function	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
	Expansion	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 & Bluetooth	IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.2 (M.2 2230 A-E key)	
Physical	Construction Material	ABS+PC plastic (ENH2900)	
	Mounting	Wall, Stand and Arm; VESA 75/100 compliant	
	Weight (Net)	7.07 kg (without battery) 8.43 kg (with 3 batteries)	8.18 kg (without battery) 9.53 kg (with 3 batteries)
	Dimensions (LxWxH)	543 x 350 x 71 mm	594.6 x 379.6 x 71 mm
Environment	Operating Temperature	0°C – 40°C	
	Storage Temperature	-20°C – 60°C	
	Humidity	10% – 90% (non-condensing)	
	Vibration	1G	
	Shock	Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 10G peak acceleration (11ms duration)	
	IP Level	Front: IP65	
	Thermal	Fanless	
Power	Power Input	19V DC input	
	Power Adapter	150W medical power adapter	
	Battery	3 slots for Li-ion battery packs	
Certification	EMC & Safety	CE, FCC Class B Part18 EN 60601-1: 2006/A1:2013 (Edition 3.1) EN 60601-1-2: 2015 (Edition 4.0)	

Medical Monitor

Model		MPOCm-W24
LCD Specifications	LCD Size	23.8"
	Max. Resolution (W/H)	1920 x 1080
	Brightness (cd/m²)	250
	Contrast Ratio	1000:1
	LCD Color	16.7M (RGB 6-bit + Hi-FRC)
	Pixel Pitch (H/V)	0.2745 x 0.2745 mm
	Viewing Angle (H/V)	178°/178°
	Backlight MTBF (hrs)	30,000 (LED backlight)
Touch	Touchscreen	Projected capacitive type with 10-point multi-touch
	Touch Controller	EETI
	Surface Hardness	6H
System	Audio	2 x 3W speaker
	I/O Port	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 (45 watts sustained, maximum of 55 watts) DC OUT2: 5V, 12V, 15V, 19V, 24V (10 watts sustained, maximum of 50 watts) *To use battery power, at least 2 batteries must be installed and the DC outputs must work properly.
	OSD Function	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)
	Battery Management APP	EC UART to USB, output to the box PC
Physical	Construction Material	ABS+PC plastic with anti-bacterial material
	Mounting	Wall, Stand and Arm; VESA 75/100 compliant
	Weight (Net)	8.18 kg (without battery) 9.53 kg (with 3 batteries)
	Dimensions (LxWxH)	594.6 x 379.6 x 63.2 mm
Environment	Operating Temperature	0°C – 40°C
	Storage Temperature	-20°C – 60°C
	Humidity	10% – 90% (non-condensing)
	Vibration	1G
	Shock	Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 10G peak acceleration (11ms duration)
	IP Level	Front: IP65
	Thermal	Fanless
Power	Power Input	19V DC input (4-pin)
	Power Adapter	150W medical power adapter
	Battery	Up to 3 hot-swappable TC-202 batteries
Certification	EMC & Safety	CE, FCC Class B Part 18 EN 60601-1: 2006/A1:2013 (Edition 3.1) EN 60601-1-2: 2015 (Edition 4.0)

Model		HTB-150-N6210
Processor	Processor	Intel® Celeron® Processor N6210
LAN	LAN Controller	Intel® I225-V
System	Storage	On-board eMMC 32GB
	RAM	On-board LPDDR4x 8GB
Expansion	Expansion	1 x M.2 2230 A key slot (PCIe + USB) 1 x M.2 2280 M key slot (PCIe)
Wireless	Wi-Fi	IEEE 802.11a/b/g/n/ax, Intel® Wi-Fi 6E AX210 (optional)
	Bluetooth	v5.2
I/O	Front 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)
	Rear I/O	1 x 12V DC jack 1 x RS-232 1 x HDMI out 2 x GbE LAN
LED Indicator	LED Indicator	Power LED
Physical	Thermal	Fanless
	Construction Material	Extruded aluminum alloys
	Mounting	VESA 75 x 75 mm
	Weight (Net) (kg)	0.688
	Weight (Gross) (kg)	1.84
	Dimensions (LxWxH)	137 x 102.8 x 36 mm
Power	Power Adapter	65W medical grade power adapter
Environment	Operating Temperature	0°C – 40°C
	Storage Temperature	-20°C – 60°C
	Humidity	10% – 95% (non-condensing)
	Vibration	1G
	Operating shock	5G peak acceleration (11ms duration)
	Non-operating shock	15G peak acceleration (11ms duration)
Operating System	Supported OS	Windows 10; Windows 11; Linux Ubuntu
Certification	EMC & Safety	CE, FCC Class B Part18, UL 60601-1, IEC/EN 60601-1, IEC/EN 60601-1-2

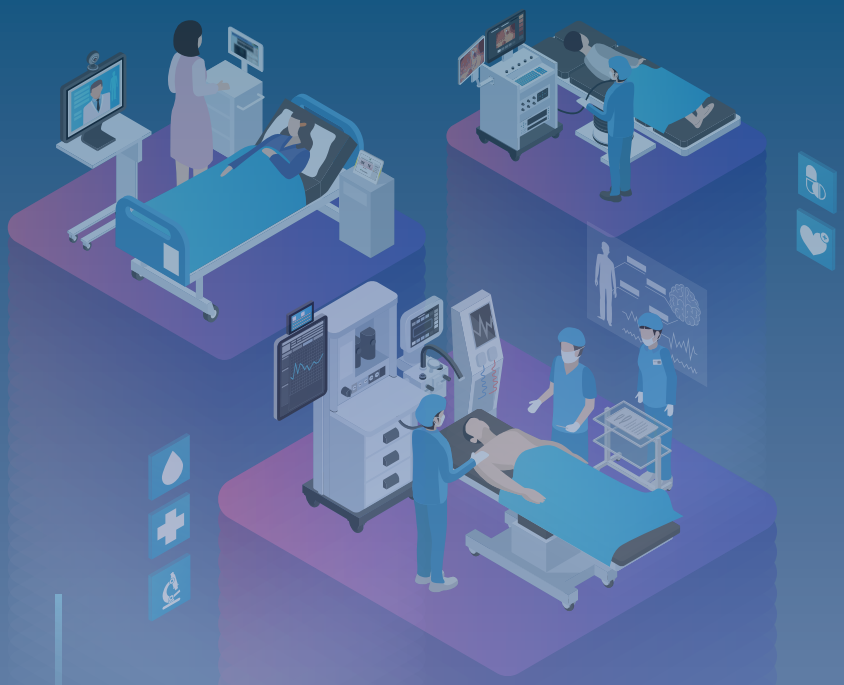
TAIWAN EXCELLENCE 2023

DESIGN AWARD 2022

Model		HTB-210-Q470
Motherboard	CPU	Intel® Core™ i5-10500TE (6-core, 35W TDP) Intel® Core™ i7-10700TE (8-core, 35W TDP)
	Chipset	Intel® Q470
	System Memory	2 x 260-pin 2666/2133MHz dual-channel DDR4 SO-DIMM ECC & non-ECC unbuffered (system max. 128GB)
Storage	Hard Drive	1 x 2.5” SATA HDD/SSD bay
I/O Interfaces	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)
	Ethernet	2 x Intel® I225-V PCIe controller (2.5GbE)
	COM port	1 x RS-232/422/485
	Display	1 x HDMI
	Resolution	HDMI: up to 4096 x 2304 @30Hz
	Others	1 x Power button 1 x AT/ATX switch
Expansions	PCIe	1 x PCIe 3.0 x4 slot 1 x PCIe 3.0 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)
Power	Power Input	19V DC
	Power Consumption	19V @4.8A
	Power Adapter	100V – 240V AC input, 19V DC output, 180W
Chassis	Color	White
	Dimension (LxWxH)	140 x 306.7 x 171 mm
	Thermal	Smart Fan
	Chassis Construction	Metal Housing (SECC)
Reliability	Operating Temperature	0°C – 40°C
	Operating Humidity	10% – 95% (non-condensing)
	Storage Temperature	-20°C – 60°C
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis
	Operation Vibration	MIL-STD-810G 514.6C-1 (with SSD)
	Weight (Net)	2.8 kg
Certification	Safety / EMC	UL/ cUL FCC Part15B EN 62368-1 Ed.2 + RMF EN 55032 + EN 55035
OS	Supported OS	Windows 11, Windows 10, Linux

TAIWAN EXCELLENCE 2020

Model		POCm-DOCKING-6BAY-R10
Battery	Battery Type	TC-202 (7800mAh)
	Battery Bay	6
	Charge Time	255W, Vin: 100 – 240V AC, Vout: 15V DC 3 – 3.5 hours from 0 – 100% (TC-202)
	Maximum Charge Voltage	12.6V
	Maximum Charge Current	2.2 A/bay
Power	Power Connector	6-pin Molex power connector
	Power Switch	AT power switch
LED Indicator	Normal	1 x Power LED (orange) 6 x Battery LED (green/red)
	Charging	Charging battery: red
	Full Charge Capacity (FCC)	Fully charged battery: green
Chassis	Color	White
	Dimension (LxWxH)	274 x 253.3 x 122.85 mm
	Thermal	Active fan
	Chassis Construction	NCT metal housing
Environment	Operating Temperature	0°C – 40°C
	Storage Temperature	-20°C – 60°C
	Operating Humidity	20 – 90%, non-condensing
	Storage Humidity	10 – 95%, non-condensing
Certification	Battery Pack	-
	EMC & Safety	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



*Specifications are subject to change without prior notice.

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