iEi ®

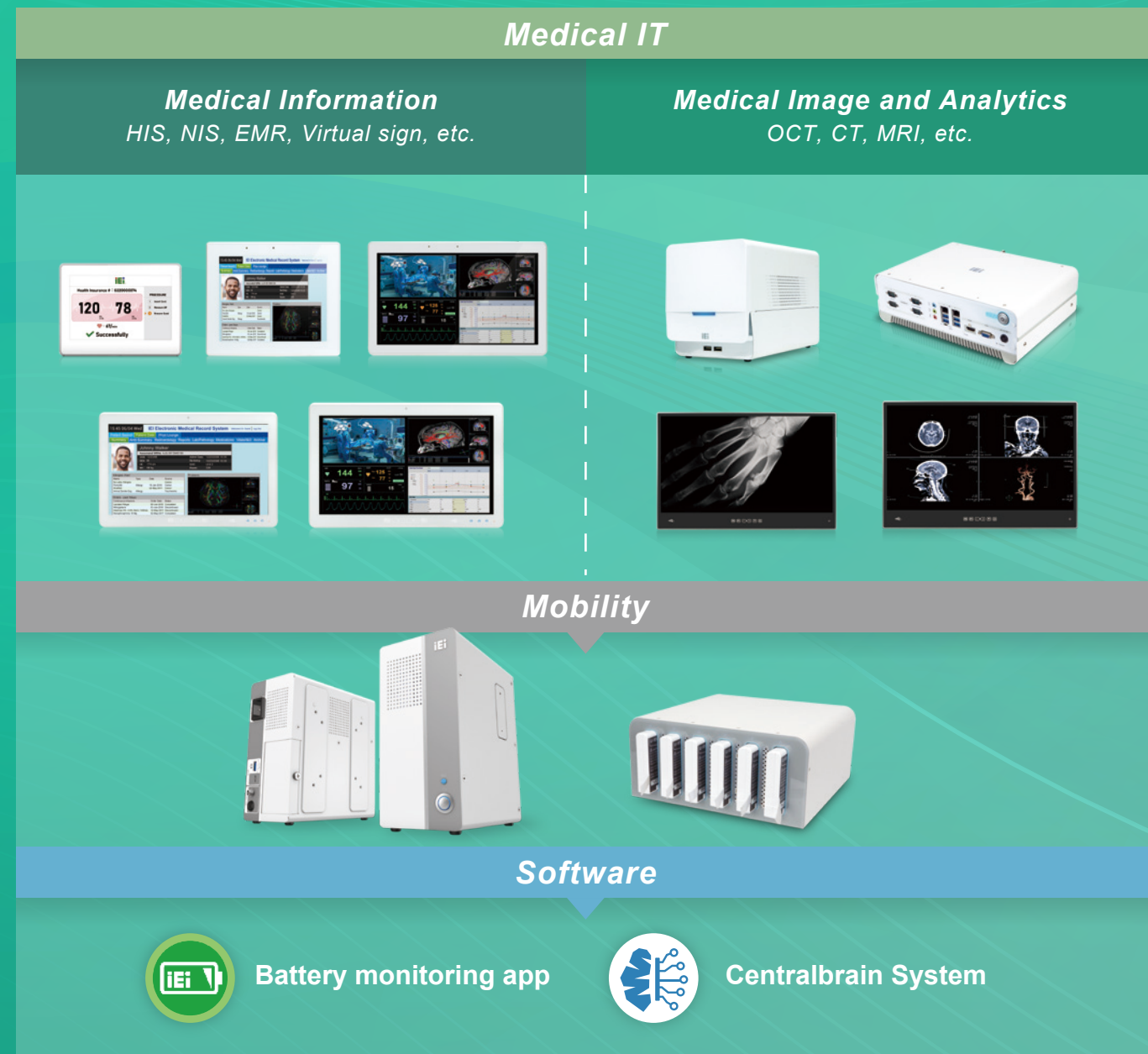# MEDICAL SOLUTION

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.
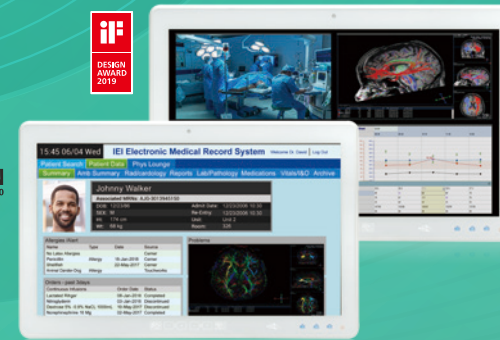
Brand positioning in medical products

Medical IT

Medical Information	Medical Image and Analytics
HIS, NIS, EMR, Virtual sign, etc.	OCT, CT, MRI, etc.

Mobility

Software

Battery monitoring app

Centralbrain System

All-in-One Medical Panel PCs

IASO
10.1"

POCi Series
22"/24"

POCm Series
22"/24"

POC Series
17"/22"

Medical Monitor

MPOCm-W24

AI Box PC

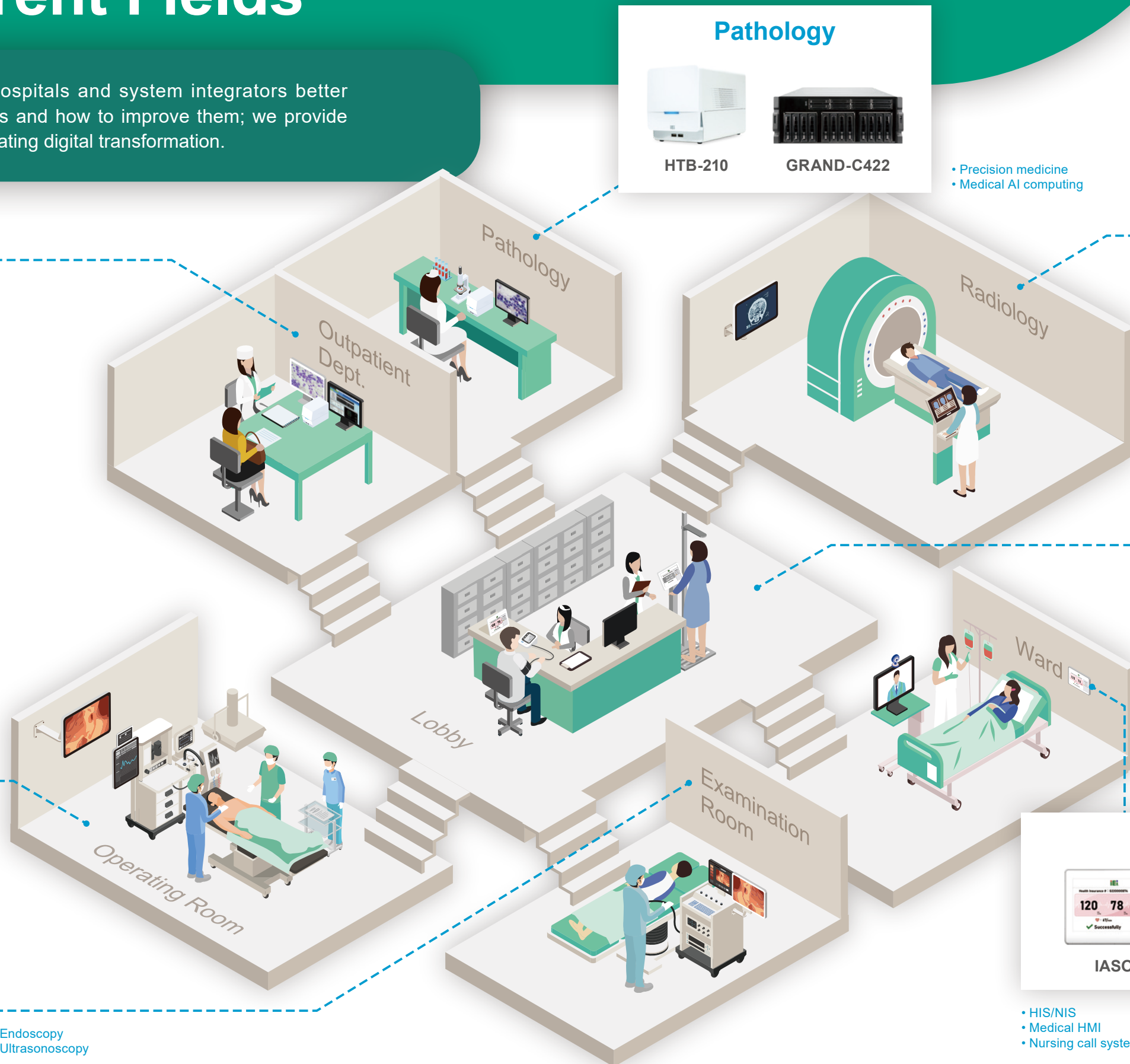
HTB-210-Q470

Medical Embedded System

HTB-100-HM170

Fit in Different Fields

We can help medical personnel, hospitals and system integrators better understand current healthcare issues and how to improve them; we provide proper solutions to hospitals for facilitating digital transformation.

Pathology

HTB-210 **GRAND-C422**

• Precision medicine
• Medical AI computing

Radiology

POC Series

HTB-210

• RIS/LIS
• Telemedicine
• Medical image
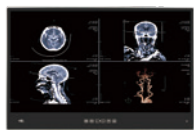
Outpatient Dept.

POCi Series **MPOCm**

HTB-210

• EMR
• Vital sign measurement

Lobby

uIBX-250-BW

IASO

• Self-service kiosk
• Queue management

Operating Room

HTB-210 **POCi Series**

• Medical image
• Vital sign collection

Ward

IASO **POCm Series**

• HIS/NIS
• Medical HMI
• Nursing call system
• Patient engagement
• Mobile nursing station

Examination Room

HTB-210 **POCi Series**

• Endoscopy
• Ultrasonoscopy

Pathology

Radiology

Outpatient Dept.

Ward

Lobby

Operating Room

Examination Room

Medical Information Gateway

## Data management and patient status monitoring

The IASO-W10B-N6210 is a 10.1" medical panel PC with light bar on both sides. It can be used as a data acquisition gateway to replace manual recording with electronic form, so that health data management can be easily achieved, and health/patient status can be accurately monitored.

》 Medical Panel PC

IASO-W10B-N6210

- Light bars on both sides
- Intel® Celeron® Processor N6210
- Remote device management
- 10.1" Medical Panel PC

IP65

Hemodialysis

Blood Pressure

Height & Weight
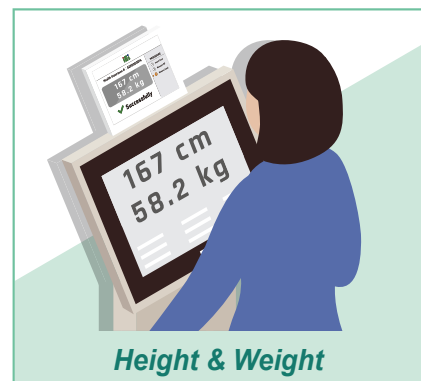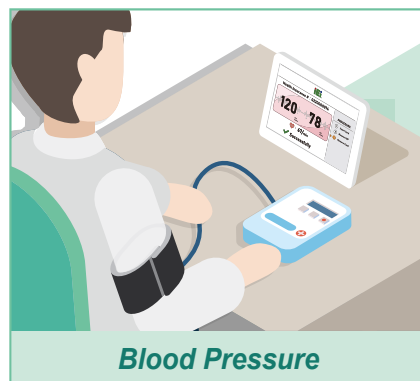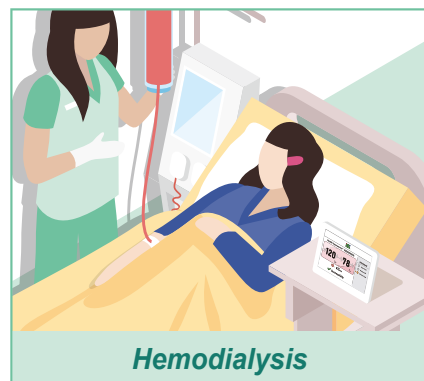
》 Applications

▼ Data management

▼ Patient room display

▼ Bedside card

DICOM Gateway Solution

With the exponential increase in imaging performed outside of the traditional PACS systems over the past years, there is an increasi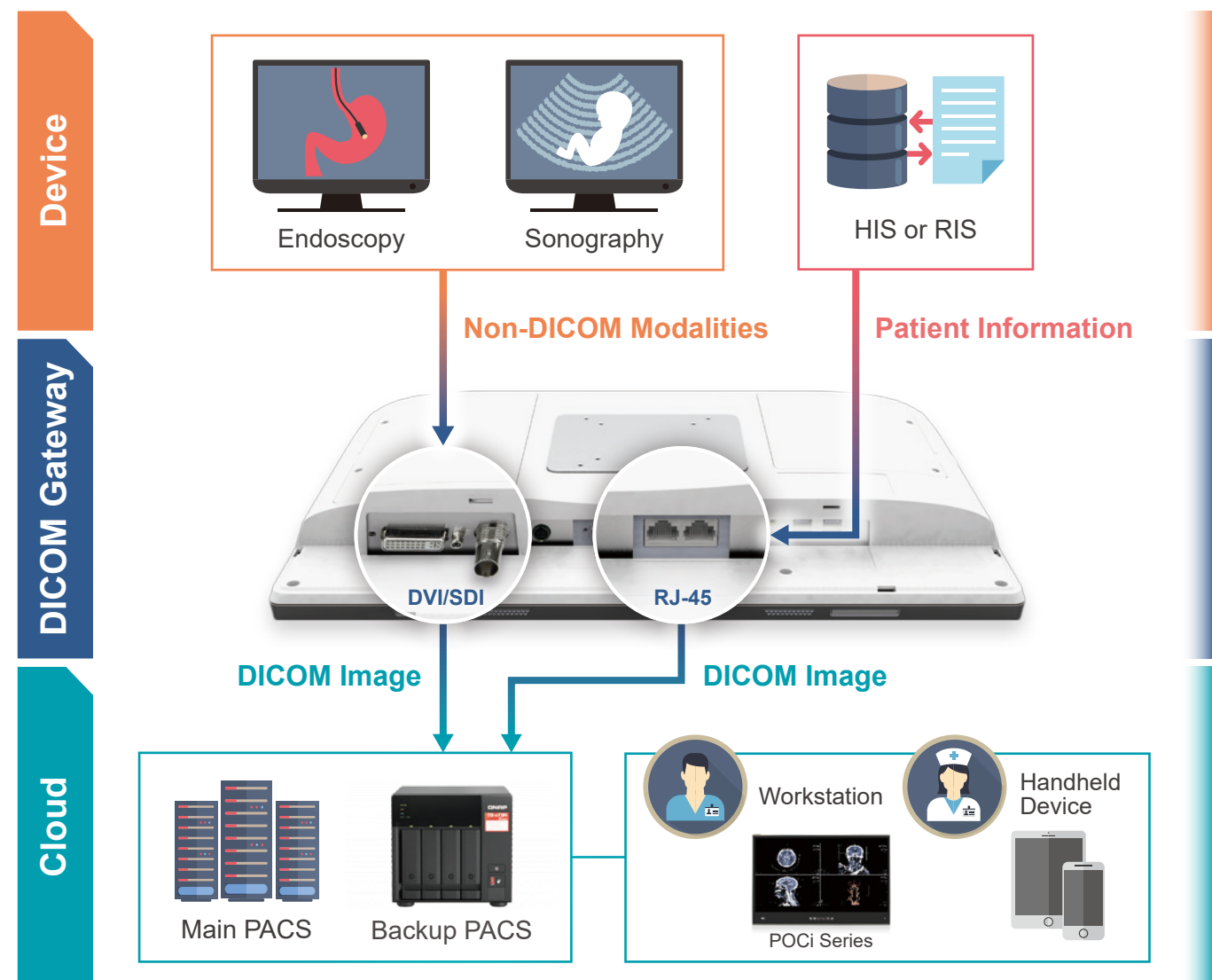ng demand to automate processes, normalize data, centrally store and view non-DICOM images holistically with DICOM images.
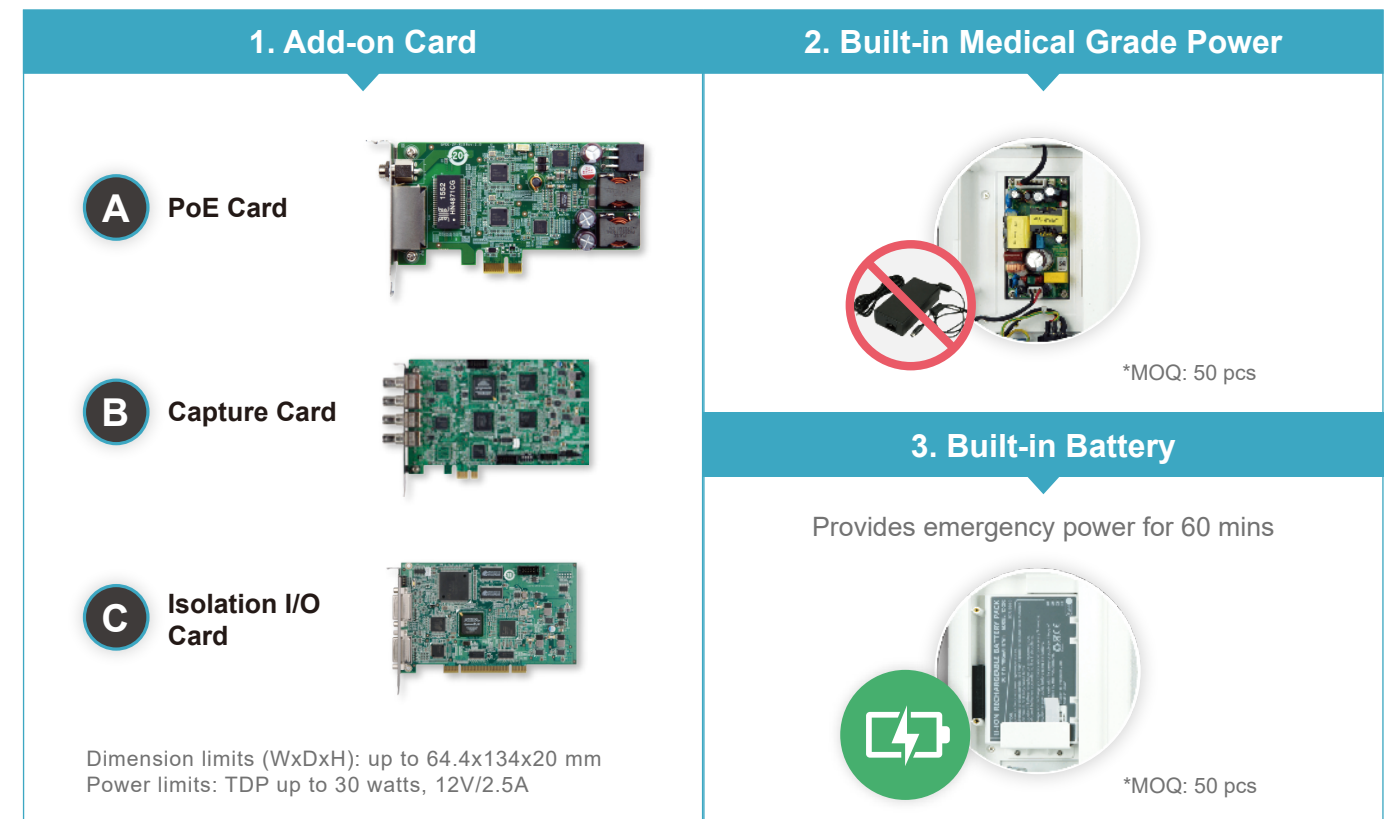
IEI medical team is thriving to roll out intuitive and painless upgrading solutions to help end users cope with the management work of non-DICOM images. Our solution supports flexible cloud-based, local-based and hybrid deployment to meet various demands for different hospitals.

≫ DICOM Gateway Workflow

Device

Endoscopy Sonography   HIS or RIS

Non-DICOM Modalities   **Patient Information**

DICOM Gateway

DVI/SDI   RJ-45

DICOM Image   **DICOM Image**

Cloud

Main PACS   Backup PACS   Workstation   Handheld Device

POCi Series

≫ 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 an AI accelerator card to enhance computing power, adding an all-in-one capture card to connect with medical devices, integrating PoE injector card with webcam, or expanding the desired I/O card for multiple usage.

1. Add-on Card	2. Built-in Medical Grade Power
A PoE Card	
B Capture Card	*MOQ: 50 pcs
	3. Built-in Battery
C Isolation I/O Card	Provides emergency power for 60 mins
Dimension limits (WxDxH): up to 64.4x134x20 mm Power limits: TDP up to 30 watts, 12V/2.5A	*MOQ: 50 pcs

One size fits all

POCi Series Features

TAIWAN EXCELLENCE 2022

IP66

22"/24"

- TPM 2.0
- FHD IPS panel
- Fanless design
- Flexible storage solution
- Electrostatic discharge (ESD) protection
- 8th Generation Intel® Core™ (code named: Whiskey Lake)

- RFID indicator
- Support Wi-Fi 6
- 10-point multi-touch
- True flat OSD hotkey buttons
- Chemical resistance for easy sterilization

AG Etching Glass

x4 Modular Expansion Design
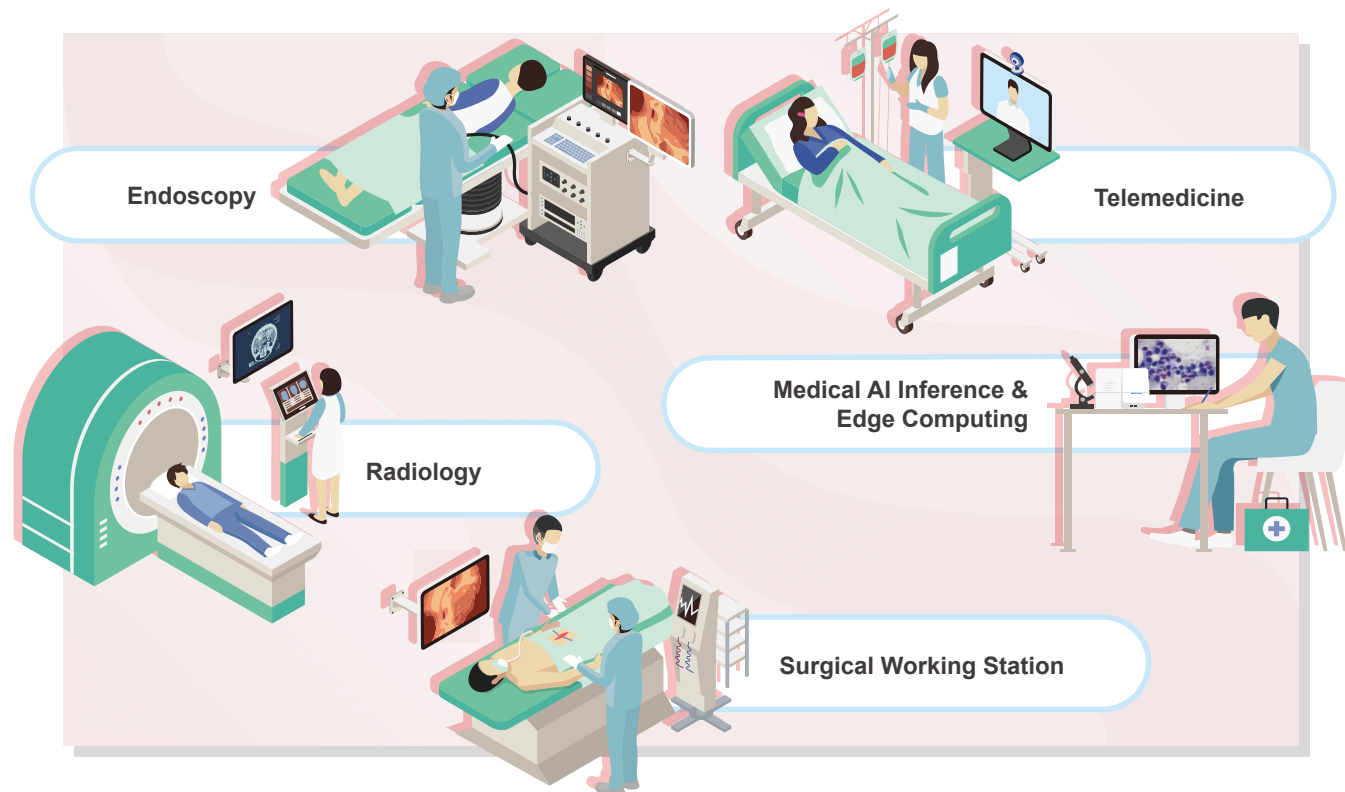
Ultra-slim Aluminum Front Bezel

DICOM Module

Isolated I/O Ports

Perfect Fit in Various Medical Fields

Endoscopy

Telemedicine

Medical AI Inference & Edge Computing

Radiology

Surgical Working Station

Applications

The POCi-W22C-ULT5 is used as a DICOM gateway to digitize and integrate medical images into the main PACS system of the hospital, achieving true digital integration for the entire process, from inspection, transmission, storage, access to management.
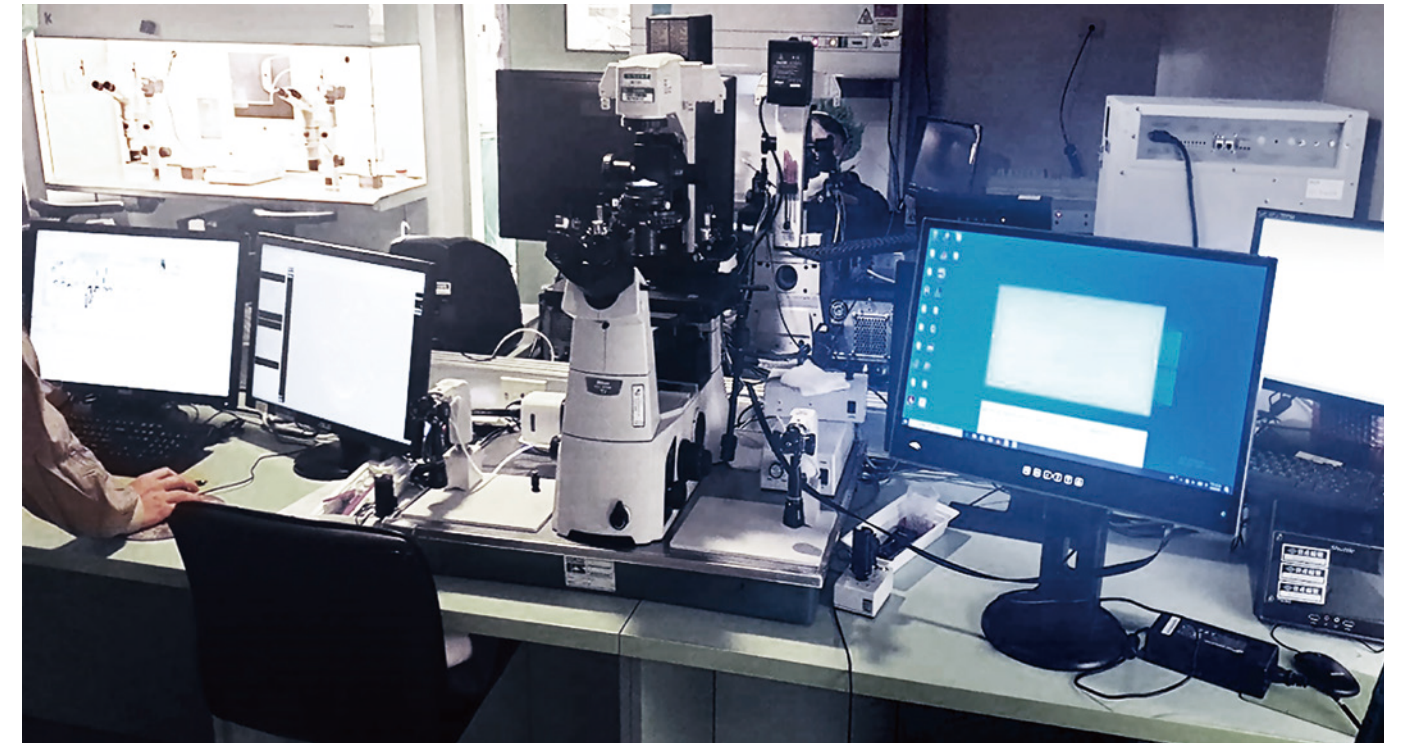
▲ Fertility & Reproductive Genetic Center at the Chang Gung Medical Foundation (Taiwan)

Before

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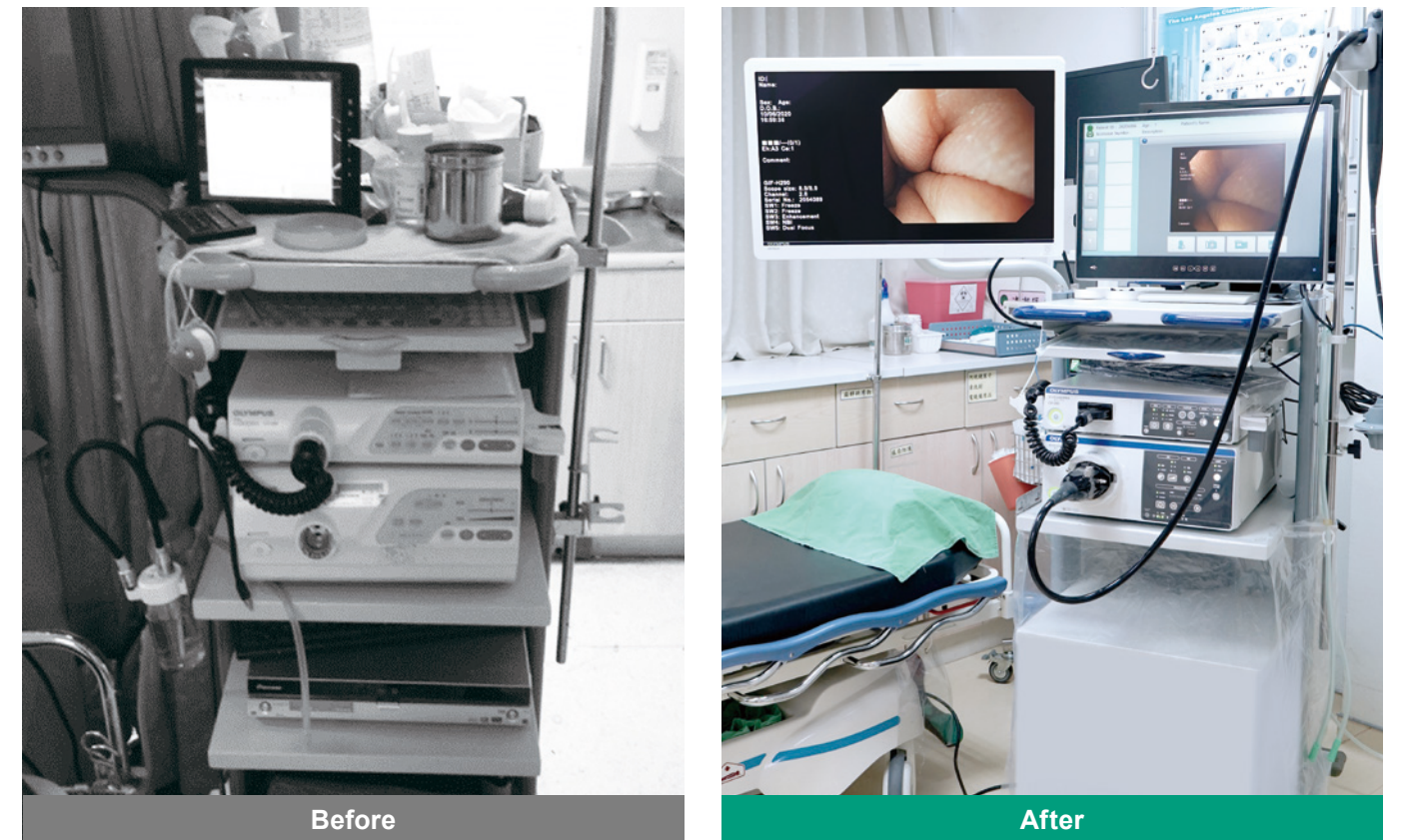
▲ Endoscopy in the Tri-Service General Hospital Songshan Branch (Taiwan)

Clinical Informatics and Management Solution

The Clinical Informatics and Management Solution that prevents manual transcription errors and enables paperless data management can en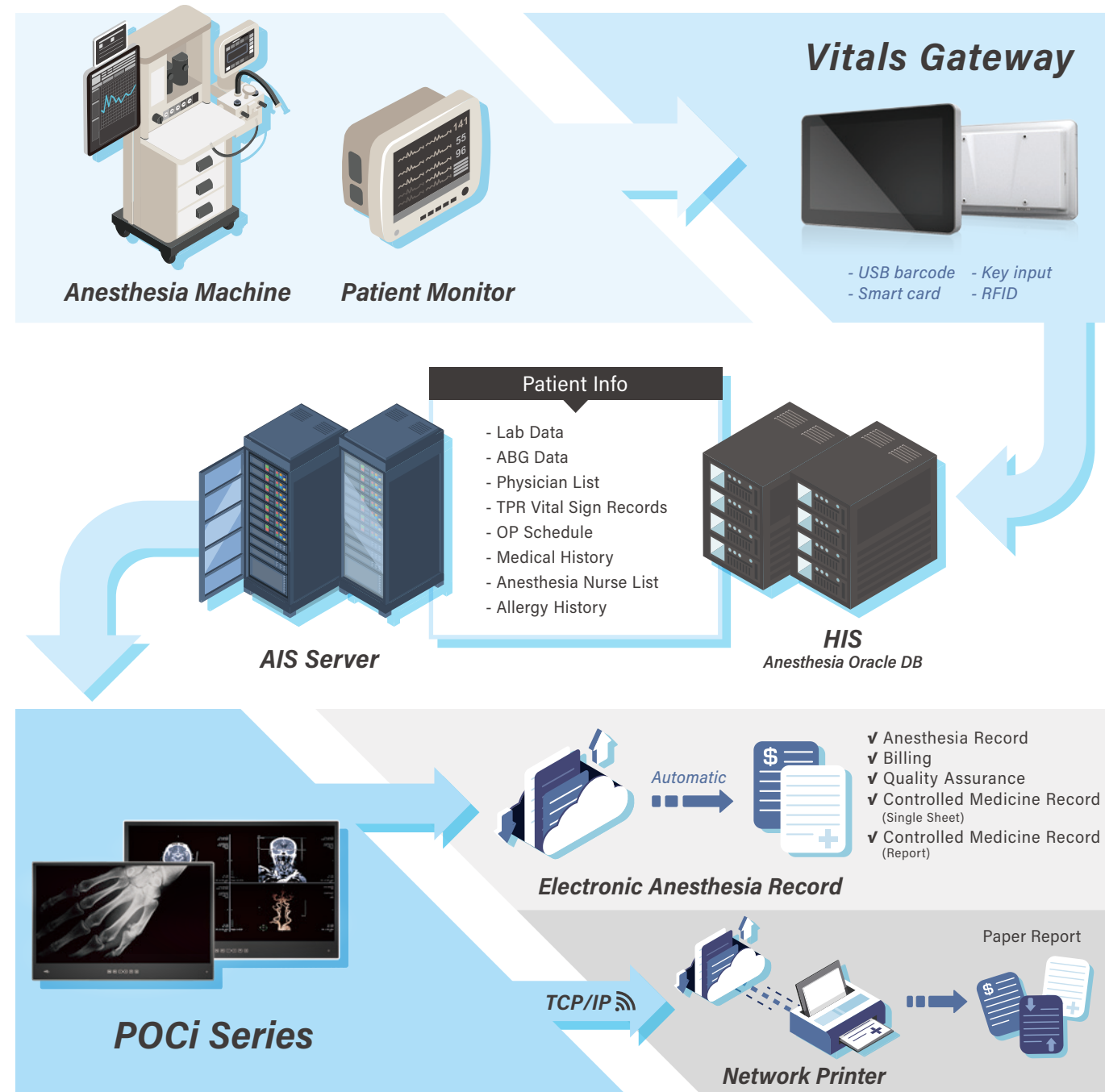sure the correctness and safety of medical record, and greatly improve work efficiency, patient safety and medical quality.

Anesthesia Machine   **Patient Monitor**

Vitals Gateway

- USB barcode   - Key input
- Smart card   - RFID

Patient Info

- Lab Data
- ABG Data
- Physician List
- TPR Vital Sign Records
- OP Schedule
- Medical History
- Anesthesia Nurse List
- Allergy History

AIS Server

HIS
Anesthesia Oracle DB

Automatic

√ Anesthesia Record
√ Billing
√ Quality Assurance
√ Controlled Medicine Record
(Single Sheet)
√ Controlled Medicine Record
(Report)

Electronic Anesthesia Record

POCi Series

TCP/IP

Paper Report

Network Printer

Applications

Operating room anesthesia machine (Taiwan).

POCi Series

22" / 24"

TAIWAN EXCELLENCE 2022
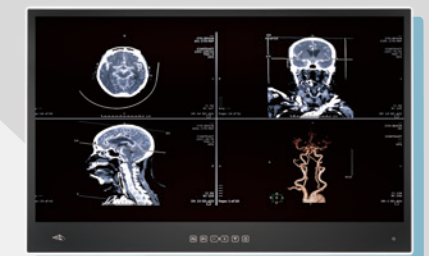
Central Management Solution

The Pain Points of Device Management in Hospitals

Peripherals Management & Control

Dynamic Dashboards
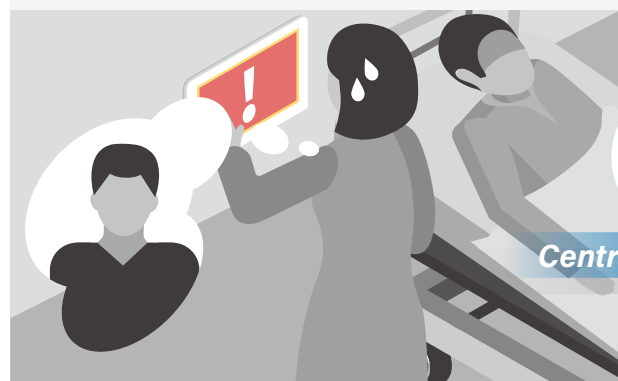
Remote Software OTA

Administration Management

Remote Reboot Reset

Device Status Monitoring

Before

Poor efficiency of maintenance and update, waste of labor costs.

Centralbrain system
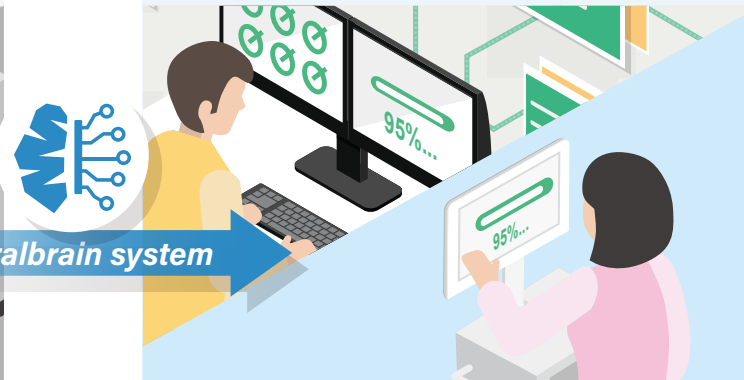
Centralbrain system

95%...

- Update and check devices one by one
- Delayed medical care because IT personnel can't maintain devices immediately

After

High efficiency of maintenance and update, lowering labor costs.

95%...

95%...

- Update and check devices all at once
- Maintain devices from remote to solve problems immediately
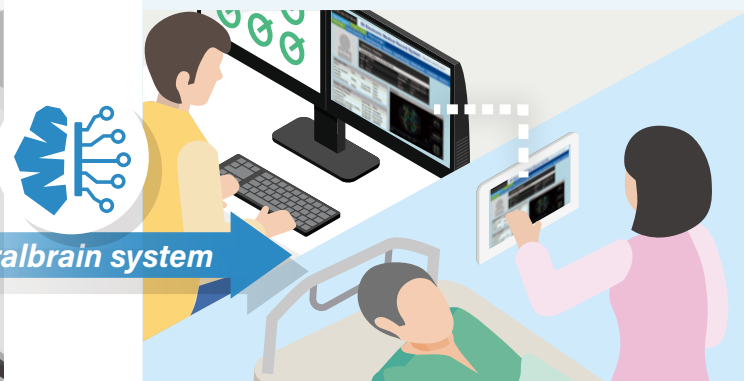
Central Management Solution: IEI Centralbrain System

IEI Centralbrain System is designed for managing multiple IEI medical devices in a hospital. This system can help users effectively manage all IEI devices connected to hospital network. Tasks such as status monitoring, product life management and software update/installation can be performed centrally and remotely.

Host

Centralbrain System
Solve Problems Remotely

- IEI App
- 3rd-party App

HTB-210

POC Series — Agent
POCm Series — Agent
POCi Series — Agent
IASO Series — Agent

More than **100** devices

1 Portal

Host

Intranet

Agent Agent Agent

30% Cost Reduction

75% Time Saved

Telemedicine

The Pain Points of Device Management in Hospitals

Medical Panel PC & Monitor

Support medical devices, medical image display and data transition

MPOCm

POCm

POCi

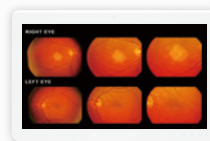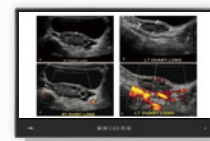### Medical Grade Power Module

Portable, supplying power for external devices

AXON-mPOWER

Support medical devices

Sonography

Nasoscope

Dermoscopic

Laryngoscope

Physiological Instrument

Ophthalmoscope

Otoscope

Support medical devices

Barcode reader

Thermal printer

Card reader

Medical grade power module

● High capacity batteries
● Easy replacement

AXON-mPOWER

Medical certification

High capacity batteries

12h 12-hour runtime

Fast charge design

Battery monitoring app

Flexibility

AXON-mPOWER battery monitoring app

IEI rolls out a remote monitoring solution to cope with the complicated maintenance work.

iEi AXON-mPOWER Battery Management

Device Name:
IEI777

Buzzer ON

Battery Capacity

Battery 1: 22 %

Battery 2: 75 %

	Battery 1	Battery 2
Temperature	40℃	39℃
Time to Fully Charged	2hr 30min	0
Battery Remaining Time	0	12hr 50min
Battery Status	Charging	In use

AXON-mPOWER Battery Remote

Remote AP

No.	Device Name	Temperature	Time to Fully Charged	Battery Remaining Time	Battery Status
1	DESKTOP~31N0...	B1 25℃	— hr — min	— hr — min	Stand by
		B2 24℃	— hr — min	— hr — min	Stand by
		B3 —℃	— hr — min	— hr — min	Not present

Mobile Nursing Station

Improving medical environment with IEI medical panel PC

Before

- Small screen
- Heavy cart
- Tangled cables
- Big heavy battery

After

- 22"/24" big screen
- Slim cart
- 3 hot-swappable batteries (support 8-16 hours)
- Less cabling

Deploy IEI AIO Medical Panel PC

POCm Series   Cost effective   Save time

Nursing efficiency & space optimization

▲ The 3 hot-swappable batteries can provide sufficient power for 8-16 hours

▲ Daily clinical workflow is optimized greatly with 6-bay stackable charging station.

IT Center | IEI Battery Monitoring App (Host) | IEI Battery Monitoring App (Client)
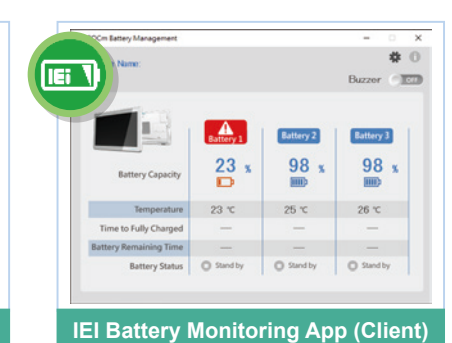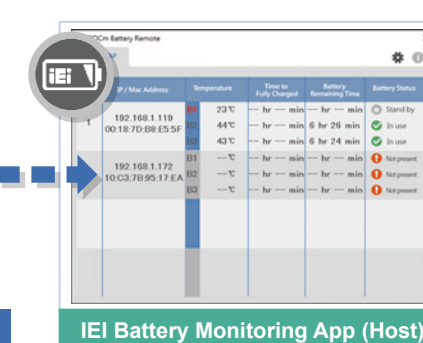
▲ IEI Battery Monitoring App

Applications

| NICU | Hemodialysis | Nursing station | Vaccine center |

≫ Assisting medical personnel to facilitate diagnosis

DICOM Modalities

PACS Server

RJ-45

Non-DICOM Modalities

SDI / DVI Input

AI Box PC HTB-210-Q470

Video Output

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

Endoscopy AI   Orthopedic AI   Hematology AI

Mark, detect, classify abnormal symptoms to assist physicians in diagnosis.

Endoscopy
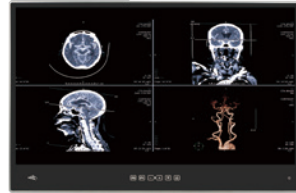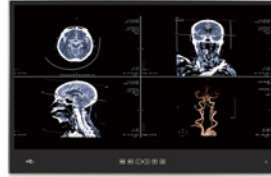
Hematology

Orthopedic
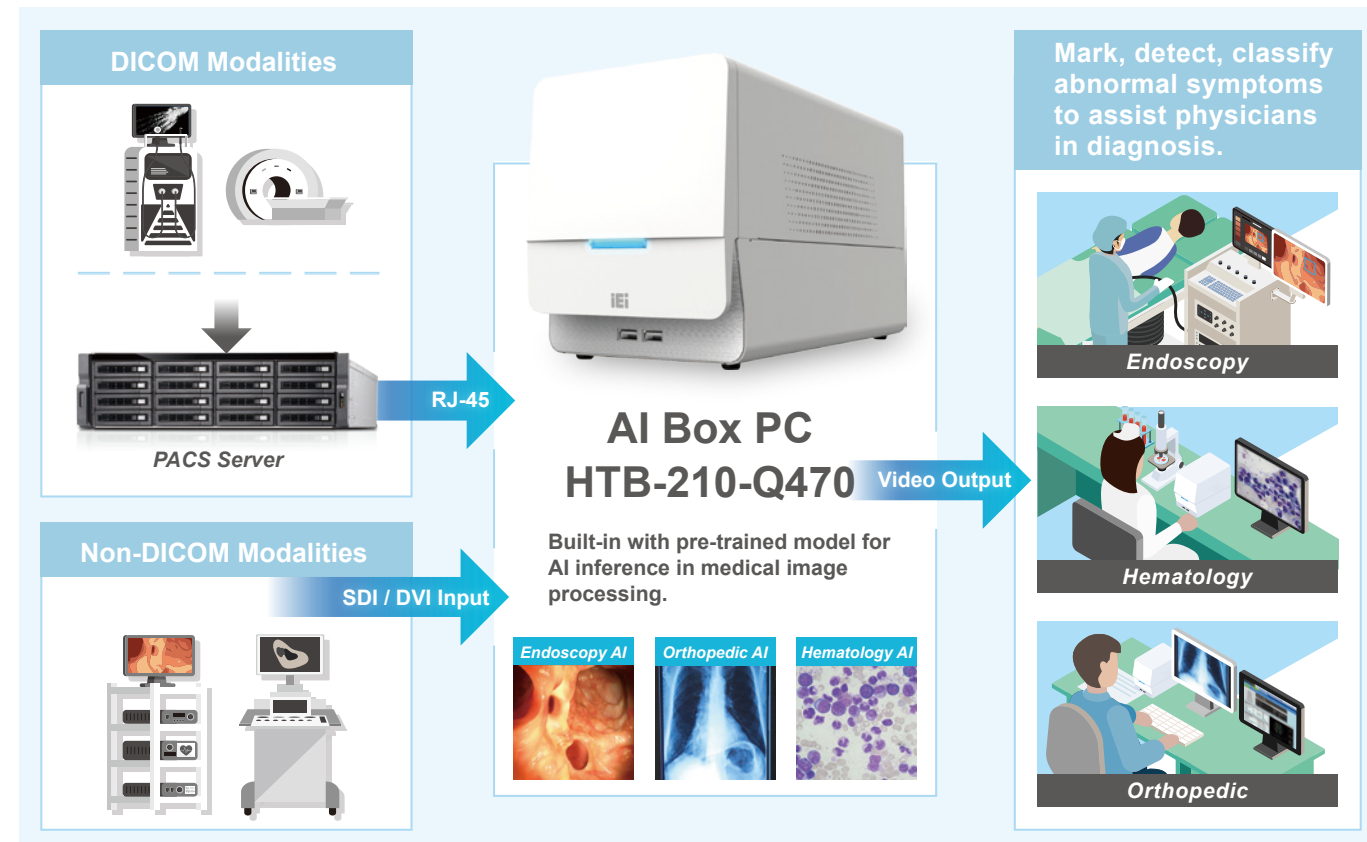
≫ Features

- **Unique thermal solution**
- **10th Gen Intel® Core™ processor**
- **PCIe x16 slot supports NVIDIA GPU accelerator**

≫ Medical All-in-One Panel PC

	Model	IASO-W10B-N6210
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)
	LAN Controller	1 x Intel® I225 Ethernet Controller
	RAM	1 x DDR4 SO-DIMM slot
	Storage	1 x M.2 2242 M key (PCIe/SATA signal)
	Audio	AMP 1W + 1W (internal speaker)
	Camera & Microphone	1 x Digital microphone
	I/O Port	1 x HDMI output 1 x RS-232 1 x Reset button 1 x Audio jack (TRRS) 1 x Power button 1 x 2.5G LAN supporting PoE at (with 1.5kV isolation) 1 x 12V DC jack 2 x USB 3.2 Gen 1 (5Gb/s) 1 x AT/ATX switch
	LED	2 x LED light bar
	Wi-Fi & Bluetooth	IEEE 802.11ax 2T2R module (Wi-Fi 6E) with BT v5.0 (M.2 2230 A-E key)
Physical	Construction Material	Front: PC Rear cover: ABS+PC plastic (ENH2900)
	Mounting	Wall, Stand and Arm; VESA 75 compliant
	Weight (Net/Gross)	1.49 kg / 2.86 kg
	Dimensions (LxWxH)	261 x 196.4 x 40 mm
Environment	Operating Temperature	-20°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
	Thermal	Fanless
Power	Power Input	12V DC input
	Power Adapter	65W medical grade power adapter
	PoE	Class 4 (IEEE802.3at) PD device w/o loading taken on I/O
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)

Left Table

	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	1920 x 1080
	Brightness (cd/m²)	350	350
	Contrast Ratio	1000:1	1000:1
	LCD Color	16.7M RGB 6-bit (Hi-FRC)	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˚	178˚ / 178˚
	Backlight MTBF (hrs)	30,000 (LED backlight)	30,000 (LED backlight)
Touch	Touchscreen	Projected capacitive type with 10-point multi-touch	Projected capacitive type with 10-point multi-touch
	Touch Controller	EETI (80H84)	EETI (80H84)
	Surface Hardness	6H	6H
	Coating	Chemical AG etching	Chemical AG etching
System	CPU Support	Intel® Core™ i5-8365UE (Whiskey Lake ULT platform) Intel® Core™ i7-8665UE (Whiskey Lake ULT platform)	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)	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)	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	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	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	1 x PCIe x4
	LED	1 x RFID indicator (optional) 2 x LED reading light	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)	Front bezel: Aluminum die-casting Rear cover: ABS+PC plastic (chemical resistant)
	Mounting	Wall, Stand and Arm; VESA 75/100 compliant	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	0°C – 40°C
	Storage Temperature	-20°C – 60°C	-20°C – 60°C
	Humidity	10% – 95% (non-condensing)	10% – 95% (non-condensing)
	Vibration	1G	1G
	Shock	Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 15G peak acceleration (11ms duration)	Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 15G peak acceleration (11ms duration)
	IP Level	Front: IP66	Front: IP66
	Thermal	Fanless	Fanless
Power	Power Input	19V DC input	19V DC input
	Power Adapter	150W medical power adapter	150W medical power adapter
	Battery	3S3P Li-ion battery pack, 11.1V, 7800mAh (optional)	3S3P Li-ion battery pack, 11.1V, 7800mAh (optional)
	Built-in Medical Power	150W, 85 – 264 VAC, medical power supply (optional)	150W, 85 – 264 VAC, 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)	CE, FCC Class B Part18 EN 60601-1: 2006/A1:2013 (Edition 3.1) EN 60601-1-2: 2015 (Edition 4.0)

Right Table

	Model	POCm-W22C-ULT3	POCm-W24C-ULT3
LCD Specifications	LCD Size	21.5" (16:9)	23.8" (16:9)
	Max. Resolution (W / H)	1920 x 1080	1920 x 1080
	Brightness (cd/m²)	250	250
	Contrast Ratio	1000:1	1000:1
	LCD Color	16.7M (RGB 6-bit + Hi-FRC)	16.7M (RGB 6-bit + Hi-FRC)
	Pixel Pitch (H / V)	0.24825 x 0.24825 mm	0.2745 x 0.2745 mm
	Viewing Angle (H / V)	170° / 160°	178° / 178°
	Backlight MTBF (hrs)	30,000 (LED backlight)	30,000 (LED backlight)
Touch	Touchscreen	Projected capacitive type with 10-point multi-touch	Projected capacitive type with 10-point multi-touch
	Touch Controller	EETI	EETI
	Surface Hardness	6H	6H
System	CPU Support	6th Gen Intel® mobile ULT Core™ i7-6600U / Core™ i5-6300U / Celeron® 3855U	6th Gen Intel® mobile ULT Core™ i7-6600U / Core™ i5-6300U / Celeron® 3855U
	LAN Controller	1 x Intel® I211 Ethernet Controller 1 x Intel® I219 Ethernet Controller (AMT 12.x supported by i7/i5 SKUs)	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. 32GB)	2 x 260-pin 2400/2133MHz dual-channel DDR4 SO-DIMM, 4GB pre-installed (system max. 32GB)
	Storage	1 x 2.5" accessible SATA HDD bay 2 x M.2 2280 M key (PCIe/SATA) with RAID	1 x 2.5" accessible SATA HDD bay 2 x M.2 2280 M key (PCIe/SATA) with RAID
	Audio	2 x 2W speaker	2 x 2W speaker
	Camera & Microphone	5-megapixel CMOS front-facing camera with auto-focus and digital microphone	5-megapixel CMOS front-facing camera with auto-focus and digital microphone
	I/O Port	Bottom 1 x DC jack 1 x Digital mic 2 x HDMI output 2 x GbE LAN port 2 x RS-232/422/485 4 x USB 3.2 Gen 1 (5Gb/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 Full-size/Half-size PCIe Mini (PCIe+USB)	1 x Full-size/Half-size PCIe Mini (PCIe+USB)
	LED	1 x RFID indicator 1 x Power indicator 3 x Battery indicator (color: blue/red)	1 x RFID indicator 1 x Power indicator 3 x Battery indicator (color: blue/red)
	Wi-Fi & Bluetooth	IEEE 802.11a/b/g/n/ac 2T2R module with BT v4.2 (M.2 2230 A-E key)	IEEE 802.11a/b/g/n/ac 2T2R module with BT v4.2 (M.2 2230 A-E key)
Physical	Construction Material	ABS+PC plastic with anti-bacterial material	ABS+PC plastic with anti-bacterial material
	Mounting	Wall, Stand and Arm; VESA 75/100 compliant	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 71mm	594.6 x 379.6 x 71 mm
Environment	Operating Temperature	0°C – 40°C	0°C – 40°C
	Storage Temperature	-20°C – 60°C	-20°C – 60°C
	Humidity	10% – 90% (non-condensing)	10% – 90% (non-condensing)
	Vibration	1G	1G
	Shock	Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 10G peak acceleration (11ms duration)	Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 10G peak acceleration (11ms duration)
	IP Level	Front: IP65	Front: IP65
	Thermal	Fanless	Fanless
Power	Power Input	19V DC input	19V DC input
	Power Adapter	150W medical power adapter	150W medical power adapter
	Battery	3 slots for Li-ion battery pack	3 slots for Li-ion battery pack
Certification	EMC & Safety	CE, FCC Class B Part18 IEC 60601-1: 2005+AMD1:2012 (Edition 3.1) IEC 60601-1-2: 2014 (Edition 4.0)	CE, FCC Class B Part18 IEC 60601-1: 2005+AMD1:2012 (Edition 3.1) IEC 60601-1-2: 2014 (Edition 4.0)

Medical Monitor

	Model	POC-17C-ULT3	POC-W24C-ULT3
LCD Specifications	LCD Size	17" (5:4)	24" (16:9)
	Max. Resolution (W / H)	1280 x 1024	1920 x 1080
	Brightness (cd/m²)	350	250
	Contrast Ratio	1000:1	1000:1
	LCD Color	16.7M (RGB 6-bit + Hi-FRC)	16.7M (RGB 6-bit + Hi-FRC)
	Pixel Pitch (H / V)	0.264 x 0.264 mm	0.2745 x 0.2745 mm
	Viewing Angle (H / V)	170° / 160°	178° / 178°
	Backlight MTBF (hrs)	30,000 (LED backlight)	30,000 (LED backlight)
Touch	Touchscreen	Projected capacitive type with 10-point multi-touch	Projected capacitive type with 10-point multi-touch
	Touch Controller	EETI	EETI
	Surface Hardness	6H	6H
System	CPU Support	6th Gen Intel® mobile ULT Core™ i7-6600U / Core™ i5-6300U / Celeron® 3855U	6th Gen Intel® mobile ULT Core™ i7-6600U / Core™ i5-6300U / Celeron® 3855U 7th Gen Intel® mobile ULT Kaby Lake on-board SoC (By project base)
	RAM	2 x 260-pin 2400/2133MHz dual-channel DDR4 SO-DIMM, 4GB pre-installed (system max.32GB)	2 x 260-pin 2400/2133MHz dual-channel DDR4 SO-DIMM, 4GB pre-installed (system max. 32GB)
	Storage	1 x mSATA (E-Window) 2 x 2.5" SATA 6Gb/s accessible HDD bay with RAID 0, 1 (RAID is only supported by Core™ i5 and Core™ i7)	1 x mSATA (E-Window) 1 x 2.5" SATA 6Gb/s HDD/SDD bay
	Audio	2 x 2W speaker	2 x 3W speaker
	Camera & Microphone	2-megapixel CMOS front-facing camera with auto-focus and digital microphone	5-megapixel CMOS front-facing camera with auto-focus and digital microphone
	I/O Port	1 x HDMI output 1 x 12V – 28V DC jack 1 x RS-232/422/485 1 x RJ-11 for 1D/2D barcode reader	2 x GbE LAN port 4 x USB 3.2 Gen 1 (5Gb/s) port 4 x USB 2.0 port (2 on the side)
	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 Touch lock button for cleaning	Combinations: 1 x Lock/Unlock OSD 1 x Power on/off
	Expansion	1 x E-Window slot (full-size PCIe Mini slot with PCIe/mSATA/USB)	1 x PCIe Mini reserved for E-Window expansion
	LED	1 x RFID indicator	1 x RFID indicator
	Wi-Fi & Bluetooth	IEEE 802.11a/b/g/n/ac 2T2R module with BT V4.1 (M.2 2230 A-E key)	IEEE 802.11a/b/g/n/ac 2T2R module with BT v4.1 (M.2 2230 A-E key)
Other Features	Auto-dimming	Yes	Yes
	Light Sensor	-	Ambient light sensor for panel brightness adjustment
Physical	Construction Material	ABS+PC plastic with anti-bacterial material	ABS+PC plastic with anti-bacterial material
	Mounting	Wall, Stand and Arm; VESA 75/100 compliant	Wall, Stand and Arm; VESA 75/100 compliant
	Weight (Net)	6.0 kg	7.5 kg
	Dimensions (LxWxH)	435 x 376 x 64.5 mm	594.6 x 379.6 x 60.68 mm
Environment	Operating Temperature	0°C – 40°C	0°C – 40°C
	Storage Temperature	-20°C – 65°C	-20°C – 60°C
	Humidity	10% – 95% (non-condensing)	10% – 95% (non-condensing)
	Vibration	1G	1G
	Shock	Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 15G peak acceleration (11ms duration)	Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 15G peak acceleration (11ms duration)
	IP Level	Front: IP65	Front: IP65
	Thermal	Fanless	Fanless
Power	Power Input	19V DC input	19V DC input
	Power Adapter	150W medical power adapter	150W medical power adapter
Certification	EMC & Safety	CE, FCC Class B Part18 IEC 60601-1: 2005+AMD1: 2012 (Edition 3.1) IEC 60601-1-2: 2014 (Edition 4.0)	CE, FCC Class B Part18 IEC 60601-1: 2005+AMD1: 2012 (Edition 3.1) IEC 60601-1-2: 2014 (Edition 4.0)

	Model	MPOCm-W24/PC-R10
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)

Medical Box PC

	Model	HTB-100-HM170	HTB-210-Q470
Chassis	Color	Silver + grayish blue	White
	Dimension (LxWxH)	294 x 209 x 90.2 mm	140 x 306.7 x 171 mm
	Thermal	Fanless	Smart fan
	Chassis Construction	Extruded aluminum alloy	Metal housing (SECC)
Motherboard	CPU	Intel® Core™ i5-6442EQ (6M cache, up to 2.70GHz, 25W) Intel® Core™ i7-6822EQ (8M cache, up to 2.80GHz, 25W)	Intel® Core™ i5-10500TE (6-core, 35W TDP)
	Chipset	Intel® HM170	Intel® Q470
	System Memory	2 x 260-pin DDR4 SO-DIMM (4GB pre-installed, system max. 32GB)	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	1 x 2.5" SATA HDD/SSD bay
I/O Interfaces	USB	2 x USB 2.0 4 x USB 3.2 Gen 1 (5Gb/s)	1 x USB Type-C (USB/DP) 2 x USB 3.2 Gen 1 (5Gb/s) 2 x USB 2.0 (front side)
	Ethernet	2 x RJ-45 PCIe GbE by Intel® I211 controller	2 x Intel® I225-V PCIe controller (2.5GbE)
	COM port	2 x RS-232 (DB-9, with 2.5 kV isolation) 2 x RS-232/422/485 (DB-9, with 2.5 kV isolation)"	1 x RS-232/422/485
	Display	1 x VGA 1 x HDMI 2.0 1 x iDP (optional)	1 x HDMI
	Resolution	VGA: up to 1920 x 1200 @60HZ HDMI 2.0: up to 4096 x 2160 @60Hz	HDMI: up to 4096 x 2304 @30Hz
	Audio	1 x Mic-in 1 x Line-in 1 x Line-out Realtek ALC662, 5.1-channel High Definition Audio (HDA)	-
	Wireless	1 x 802.11a/b/g/n/ac 2T2R (optional)	-
	Others	-	1 x Power button 1 x AT/ATX switch
Expansions	PCIe	1 x PCIe x16	1 x PCIe 3.0 x4 1 x PCIe 3.0 x16
	PCIe Mini	1 x Half-size PCIe Mini 1 x Full-size PCIe Mini (supports mSATA, colay with SATA)	-
	M.2	1 x M.2 1630/2230/3030 A-E key (PCIe x2/USB 2.0)	1 x M.2 2230 A key (PCIe x2 and USB 2.0) 1 x M.2 2280 M key (PCIe x4 and SATA)
	Acceleration Card (Optional)	-	Quadro P2200 (75W) NVIDIA Tesla T4 (75W)
Power	Power Input	12V – 28V DC	19V DC
	Power Consumption	19V @4.4A (Intel® Core™ i7-6822EQ with 4GB memory)	19V @4.8A
	Adapter	90V – 264V AC input, 19V DC output; 150W	100V – 240V AC input, 19V DC output, 180W
Reliability	Mounting	Wall mount	-
	Operating Temperature	0°C – 40°C, with air flow (SSD)	0°C – 40°C
	Operating Humidity	10% – 95% (non-condensing)	10% – 95% (non-condensing)
	Storage Temperature	-40°C – 70°C, with air flow (SSD)	-20°C – 60°C
	Storage Humidity	10% – 90% (non-condensing)	-
	Operating Shock	Half-sine wave shock 5G; 11ms; 100 shocks per axis	Half-sine wave shock 5G, 11ms, 100 shocks per axis
	Operation Vibration	MIL-STD-810G 514.6 C-1 (with SSD)	MIL-STD-810G 514.6C-1 (with SSD)
	Weight (Net / Gross)	2.2 kg/3.0 kg	2.8 kg
Certification	Safety/EMC	CE, FCC class B part 18 IEC 62304 IEC 60601-1 V3.1 IEC 60601-1-2 V4.0 ISO 14971:2007	UL/cUL FCC Part15B EN 62368-1 Ed.2 + RMF EN 55032 + EN 55035
OS	Supported OS	Microsoft Windows 10, Microsoft Embedded Standard 7	Microsoft Windows 11, Microsoft Windows 10, Linux

Medical Power

	Model	AXON-mPOWER
Battery	Battery Pack Type	2 x 3S3P Lithium-ion batteries
	Battery Pack Capacity	2 x 7800 mAh (2 x 87Wh) 2 batteries support 6 – 12 hours runtime (depending on system power consumption)
	Normal Voltage	11.1 V
	Battery Life Time	300 cycles > 70%
	Charge Time	210 mins. from 5% – 95% (2A charge for each battery pack)
	Charge Voltage	12.6 V
	Continuous Charge Current	2 A for each battery
	Continuous Discharge Current	5 A (each battery pack's discharge power < 55.5W at 40 °C)
	Maximum Discharge Current	7 A (each battery pack's discharge power < 77.7W at 25 °C)
	Discharge Cut-off Voltage	8.25 V
Power	DC-out Power	110W maximal
	Built-in Power Supply	Power input: 100V – 240V Type/Watt: Medical, 150W
I/O Interfaces	DC-out 1	12V/15V/19V/24V (80 watts)
	DC-out 2	12V/15V/19V/24V (15 watts)
	USB Type-C	5V/3A (15 watts)
	USB Type-A	Engineering port (for app read/write)
	AC-in	C13 connector
LED Indicator	Normal	Blue: Battery capacity is above 25% (non-AC mode) / battery is fully charged (AC mode) Orange: Battery capacity is 25% – 10% Blinking Orange: Battery capacity is less than 10% Off: sleep mode / battery error / non-IEI battery / without battery
	Charging	Blinking Blue: 0% – 94% charged Blue: 95% – 100% charged
	Full Charge Capacity (FCC)	Battery FCC < 50% - Charging: blinking purple - Fully charged: solid purple
Physical	Weight (Net)	4 kg (with 2 batteries)
	Dimensions (LxWxH)	195 x 180 x 94.1 mm
Environment	Operating Temperature	0°C – 40°C
	Operating Humidity	Relative humidity: 10% – 95%, non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis
	Operation Vibration	MIL-STD-810G 514.6C-1
Certification	Battery Pack	UN38.3, UL2054, IEC62133
	EMC & Safety	IEC 60601-1 IEC 60601-1-2 (Edition 4.0)

	Model	POCm-DOCKING-6BAY-R10
Chassis	Color	White
	Dimension (LxWxH)	274 x 253.3 x 122.85 mm
	Thermal	Active fan
	Chassis Construction	NCT metal housing
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
Physical	Weight (Net)	-
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

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*Specifications are subject to change without prior notice.