

Smart Healthcare Strategies of IEI Group

Providing better Services from both IEI and BriteMED

IEI is a leading company provides the industrial computer-based boards and system products that could be applied in factory automation, retail management, security, transportation, etc. IEI promises to provide our own-brand continually as well as serving ODM vertical markets to offer complete, professional and flexible services. Learning from various medical product designs and manufacturing experiences, we found that the medical grade computer locates in a highly customized and professional product segment. For this reason, we planed to expand the market share in the medical field, and our medical business unit was then separated from the mother company to become an independent company called BriteMED on August 1st in 2009.

Population aging and technology approved day by day are the worldwide phenomenons which make the healthcare application become friendlier, such as healthcare digitally (paper-less and automatic data collection), healthcare remotely and healthcare mobility. To provide our customers better services, we divide R&D works into two parts - by IEI and by BriteMED.



Medical IT for general healthcare



Medical Panel PC



Medical Embedded System



Tablet PC



Industrial PDA



Peripheral
(such as handheld 2D barcode scanner)



Capture Card



Medical devices for clinical



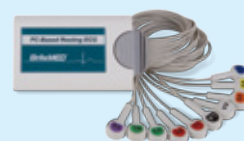
Medical Monitor



E-Medical Cart



Medical Battery System



PC-ECG If you need this product, please contact BriteMED

1

IEIMobile
Solutions

2

Automation
Panel
Solutions

3

Healthcare
Panel PC
Solution

4

Industrial
System

5

ORing
Network
Communication

6

Automation
Control

7

Optional
Peripherals

Our Value Propositions



Manufacturing Certification



Medical Grade Certification

- Safety: UL/cUL, CE
- EMC: FCC Class B Part 18, EN 60601-1-2 (V4.0)
- R.E.D
- ISO 14971
- Usability: IEC 62366 + IEC 60601-1-6
- IEC 62304

Design Award



Deeply Focus on Advanced Users Experiences

- Anti-bacteria plastic cover (ATCC 6538P, ATCC 8739, ATCC 4352, ATCC 33591 and ATCC 10145) to avoid cross-infection
- Smooth curves design for easy cleaning
- Slim and comfortable sense of touch for moving the cart safely
- Multiple optional peripherals to add on
- Camera cover protects patient privacy
- Magnetic cover for easy system maintenance

R&D Capability

- Thermal analysis
- Front IP65
- DICOM
- Uniformity calibration
- IC design (FPGA)
- Optical design
- 4kV isolation port
- Hot swappable battery
- PoE
- Wide power range
- Intel/Freescale development

1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

Smart Healthcare Panel PC Solution

Next Generation Healthcare Panel PCs Feature IoT and Improve the Usability

The Point-of-Care (POC) medical panel PC supports high-performance Intel® Core™ i series and Pentium® processors. IEI provides 17"/19"/21.5" big screen size for medical use, optimizing the applications as an information processing terminal. The user-friendly touchscreen gives user an easier way to process data input, making POC a perfect information terminal. IEI's medical touch panel PCs offer superior CPU performance and various peripherals to increase functionality and to suit the requirements of medical applications.



Operating Room

- As a workstation for RIS, HIS, PACS etc.
- Capturing images



Nursing Cart

- Administering medications
- Recording patient progress



Bedside

- Entertainment and education
- Integration with HIS or EMR

Smart Healthcare Panel PC Product Line

POC Series



Point of Care

- Bottom I/O
- High performance with smart fan / fan-less

BIS Series

Preliminary



Bedside Infotainment System

- Rear I/O
- High performance with fanless

Medical Certifications



Selection Guide



		POC Series				BIS Series
Model		POC-17C-ULT3	POC-17i	POC-19i	POC-W22A-H81	BIS-W19C-ULT3
LCD Touch Specification	LCD Size (inch)	17" (5:4)	17" (5:4)	19" (5:4)	21.5" (16:9)	18.5" (16:9)
	Max. Resolution	1280 (W) x 1024 (H)			1920 (W) x 1080 (H)	1366 (W) x 768 (H) / 1920 (W) x 1080 (H)
	Brightness (cd/m²)	350			250	250 / 350
	Contrast Ratio	1000:1	800:1	1000:1	1000:1	1000:1
	LCD Color	16.7M colors (RGB 6-bit)	16.7M	16.7M	16.7M	16.7M colors (RGB 6-bit) / 16.7M colors (RGB true 8-bit)
	Viewing Angle (H-V)	170°/160°			170°/160°	170°/160°, 178°/178°
	Touchscreen	Projected capacitive type with USB interface	5-wire resistive type	5-wire resistive type	Projected capacitive type with USB interface	Projected capacitive type with USB interface
System	CPU	Intel® Skylake-ULT platform Core™ i5-6300U and Celeron® 3955U	Intel® mobile Core™ i7/i5/i3 CPU with Intel® HM55 chipset		Intel® desktop Core™ i7/i5/i3/ Pentium®/Celeron® CPU with Intel® H81 chipset (Up to TDP 35W CPU)	Intel® Skylake-ULT platform Core™ i5-6300U and Celeron® 3955U
	Chipset	--	Intel® HM55		Intel® H81	--
	Memory	Two 260-pin 2133/1866 MHz dual-channel DDR4 non-ECC unbuffered SO-DIMMs (system max. 32GB)	Two 204-pin 800/1066 MHz DDR3 dual-channel SO-DIMM (system max. 8GB)		Two 204-pin 1600/1333MHz dual-channel DDR3 SDRAM, 4GB pre-installed (system max.16GB)	Two 260-pin 2133/1866 MHz dual-channel DDR4 non-ECC unbuffered SO-DIMMs (system max. 32GB)
	I/O Ports	1 x RJ-11 for barcode module (1D/2D) 4 x USB 2.0 (2 for side) 4 x USB 3.0 port 1 x HDMI output 2 x GbE LAN port 1 x RS-232/422/485 1 x 12~28V DC jack	1 x RS-232 by DB-9 2 x GbE LAN by RJ-45 1 x HDMI port 1 x VGA port by DB-15 1 x Power switch	1 x RS-232 or RS-422/485 by DB-9 4 x USB connector 1 x Audio jack (line-out) 1 x Reset button 1 x Power jack	1 x RS-232/422/485 2 x GbE LAN by RJ-45 (1 for iRIS) 1 x Power button 1 x VGA output 1 x HDMI output 1 x 12V~28V DC Jack 2 x USB 3.0 4 x USB 2.0 (2 on bottom and 2 on side) 1 x RJ-11 for barcode module (1D/2D)	Rear 1 x 1.5kV isolation COM port 1 x 12~28V DC Jack 1 x GbE LAN port 2 x USB 3.0 port Bottom 1 x RJ-11 for barcode scanner (1D/2D) 1 x GbE LAN port 2 x USB 3.0 port 1 x HDMI output Side 1 x HDMI input (optional) 2 x USB 2.0 port 1 x Audio out 1 x Mic in
	Drive Bay	2 x 2.5" SATA 6Gb/s HDD bay 1 x mSATA reserved (M.2 interface)	1 x 2.5" SATA HDD bay		1 x 2.5" SATA HDD bay	1 x 2.5" SATA 6Gb/s HDD bay 1 x mSATA reserved (PCIe Mini interface)
	Audio	2 x 2W speaker	2 x 3W speaker		2 x 3W speaker	2 x 2W Speakers
	LED Function	RFID indicator LED	One power on/off LED on front panel		2-light battery status LED, RFID indicator LED	RFID indicator LED
	OSD Function	1 x LCD on/off 1 x Brightness up 1 x Brightness down 1 x Volume up 1 x Volume down 1 x Touch lock button for cleaning Combinations: 1 x Lock/Unlock OSD 1 x Power on/off	Five buttons (LCD on/off, Light +/-, Audio +/-)		1 x LCD on/off 1 x Brightness up 1 x Brightness down 1 x Volume up 1 x Volume down 1 x Touch lock button for cleaning Combinations: 1 x Lock/Unlock OSD 1 x Power on/off	1 x LCD on/off 1 x Brightness down 1 x Brightness up 1 x Volume down 1 x Volume up 1 x Touch lock (OSD lock included) Combinations: 1 x Auto-dimming on/off
	Wireless	Wi-Fi	IEEE 802.11 a/b/g/n/ac 2T2R module with bluetooth V4.1 (M.2 2230 A-E key module)	IEEE 802.11a/b/g/n		IEEE 802.11 a/b/g/n/ac 1T1R module
Physical	Construction Material	ABS+PC plastic with antibacterial material	Anti-bacteria plastic front frame	Anti-bacteria plastic front frame	ABS+PC plastic with anti-bacterial material	ABS + PC plastic with anti-bacterial material
	Mounting	Wall, Stand and Arm VESA 100mm x 100mm / 75mm x 75mm	Wall, Stand and Arm VESA 100mm x 100mm			Wall, Stand and Arm VESA 100mm x 100mm / VESA 75mm x 75mm
	Net Weight	5.8 kg	6.0 kg	6.2 kg	7.3 kg	6.5 kg
	Dimensions (WxHxD) (mm)	435 x 376 x 64.5	428 x 350 x 76	470 x 383 x 79	542.5 x 349.5 x 52	478.6 x 317.3 x 60.1
Environment	Operating Temperature (°C)	0°C ~ 40°C				0°C ~ 40°C
	IP Level	IP65 compliant front panel	IP 64 compliant front panel		IP 65 compliant front panel	IP 65 compliant front panel
Power	Power Requirement	12V~28V DC input	12V DC input		12V~28V DC input	12~28V DC input
	Power Adapter	120W medical power adapter: Input: 100V~240V AC; Output: 19V DC				120W medical power adapter: Input: 100V~240V AC; Output: 19V DC
Certification		CE, FCC class B part 18, UL 60601-1, EN 60601-1				CE, FCC class B part 18, UL 60601-1, EN 60601-1

1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

Medical Panel PC

Preliminary

POC-17C-ULT3

17" Medical Grade Panel PC

Features

- 17" 5:4 LED Panel (1280 x 1024)
- Intel® Skylake-ULT platform Core™ i5-6300U and Celeron® 3955U
- Projected capacitive touchscreen supports multi-touch
- IP65 compliant front bezel
- Anti-bacteria cover
- RAID function supported (RAID 0 and RAID 1)
- Optional 3-in-1 card reader: MSR, SCR and fingerprint
- Optional Mifare RFID module
- Optional VoIP phone handset
- Optional handle module with barcode scanner and reading light



• Built-in camera cover

The camera cover protects the privacy of patients. The built-in design also makes the maintenance more convenient, and prevents cover loss.



• RAID 0 and RAID 1 Function

The RAID 0/1 capability offers redundancy through mirroring - data is written identically to two drives. Users in the hospital will not need to worry about data lost anymore.



• E-Window for Multiple Expansion

The reserved PCIe Mini slot for expansion helps system integrators add more functions easily without any additional cost efforts.

E-Window



• Front IP65 Compliance

Easy to clean when spray the detergent and wipe at the front

• Advanced Touchscreen for Saline

The PCAP touch not only supports multi-touch function but also provides smooth control when operating with gloves. Moreover, we cooperate with our suppliers to work hard on avoiding the accidental operating from sterile saline.



1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

Model		POC-17C-ULT3
LCD Specifications	LCD Display	17" (5:4)
	Max Resolution	1280 (W) x 1024 (H)
	Brightness (cd/m ²)	350
	Contrast Ratio	1000:1
	LCD Color	16.7M colors (RGB 6-bit)
	Pixel Pitch (mm)	0.264 (H) x 0.264 (V)
	Viewing Angle (H-V)	170°(H) / 160°(V)
	Backlight MTBF (hrs)	30000 (LED backlight)
Touch	Touchscreen	Projected capacitive type with USB interface
	Touch Controller	AMT
	Surface Hardness	6H
System	CPU Support	Intel® Skylake-ULT platform Core™ i5-6300U and Celeron® 3955U
	Chipset	N/A
	RAM	Two 260-pin 2133/1866 MHz dual-channel DDR4 non-ECC unbuffered SO-DIMMs (system max. 32GB)
	I/O Port	1 x RJ-11 for barcode module (1D/2D) 4 x USB 2.0 (2 for side) 4 x USB 3.0 port 1 x HDMI output 2 x GbE LAN port 1 x RS-232/422/485 1 x 12~28V DC jack
	Storage	2 x 2.5" SATA 6Gb/s HDD bay 1 x mSATA reserved (M.2 interface)
	Audio	2 x 2W speaker
	Webcam & Microphone	2-megapixel CMOS front-facing camera with auto-focus and digital microphone
	Expansion Interface	1 x PCIe Mini reserved
	LED Indicator	RFID indicator LED
	Mifare RFID	Optional: Mifare 13.56 MHz card reader
Other Features	Function Key	1 x LCD on/off 1 x Brightness up 1 x Brightness down 1 x Volume up 1 x Volume down 1 x Touch lock button for cleaning Combinations: 1 x Lock/Unlock OSD 1 x Power on/off
	Light Sensor	Ambient light sensor for panel brightness adjustment
	Cooling Method	Fan-less
Connectivity	Wi-Fi and Bluetooth	IEEE 802.11 a/b/g/n/ac 2T2R module with Bluetooth V4.1 (M.2 2230 A-E key module)
Physical	Construction Material	ABS+PC plastic with anti-bacterial material
	Mounting	Wall, Stand and Arm VESA 100mm x 100mm / 75mm x 75mm
	Net Weight	5.8 Kg
	Dimensions (WxHxD) (mm)	435 x 376 x 64.5
Environment	Operating Temperature	0°C~40°C
	Storage Temperature	-20°C~60°C
	Humidity	10% to 95% (non-condensing)
	Vibration	1G
	Shock	Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration)
	IP Level	IP65 compliant front panel
Power	Power Input	12V~28V DC input
	Power Adapter	120W medical power adapter: Input: 100V~240V AC, Output: 19V DC
Certification	EMC	
	Safety	
	R.E.D	

1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

Ordering Information

Part No.	Description
POC-17C-ULT3-C/PC/4G-R10	17" 350 cd/m ² 1280 x 1024 panel PC with Intel® 14nm 6th generation mobile Celeron® 3955U (15W) on-board processor (ULT), one 4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2-megapixel camera, microphone, R10
POC-17C-ULT3-i5/PC/4G-R10	17" 350 cd/m ² 1280 x 1024 panel PC with Intel® 14nm 6th generation mobile Core™ i5-6300U (15W) on-board processor (ULT), one 4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2-megapixel camera, microphone, R10

Options

Number	Description
MEDP-HS-R10	USB interface VoIP phone and its holder, white
MEDP-CR-R10	Magnetic card reader/Smart card reader/Fingerprint sensor, white
MEDP-HD-R10	Metal handle covered with soft rubber
MEDP-HD-BR-R10	Metal handle covered with soft rubber, with barcode reader and reading light, white
MEDP-MF-RFID-R10	MIFARE RFID reader, 13.56MHz, with LED indicator, IEI assembly only
MEDP-TPM-R10	Trusted platform module kit, IEI assembly only
MEDP-EZS-R10	VESA 100 x 100 mm panel PC stand with a cable management hole, white

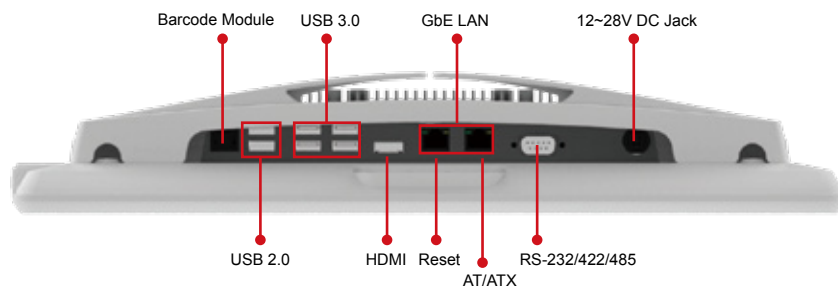
IQ Mounting Options

Item	Part No.
Wall Mount Kit	AFLWK-19B
Arm	ARM-31-RS
Stand	STAND-300SW-RS/STAND-A21-R10

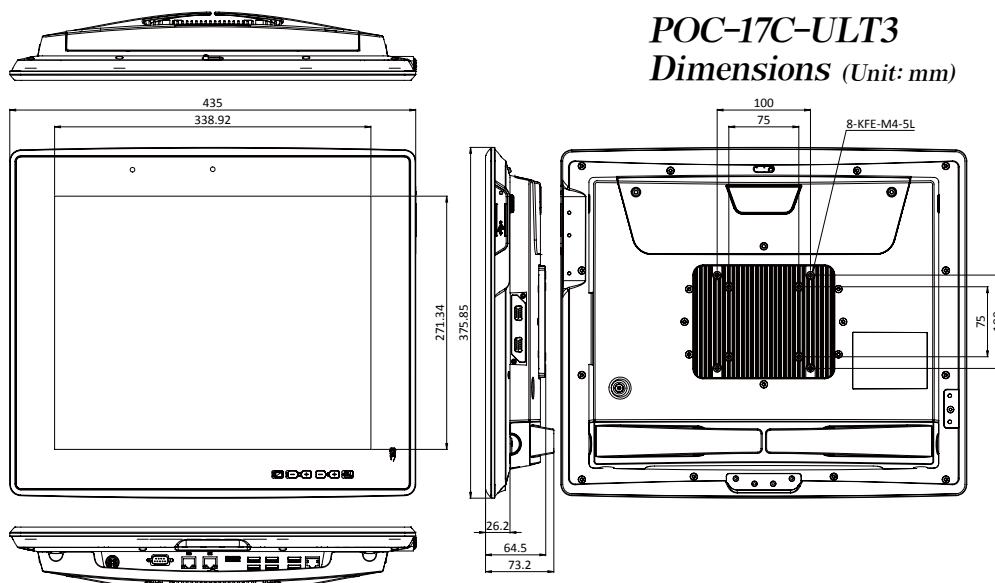
Packing List

Item	Part No.	Q'ty	Description
Utility CD		1	Drivers and User Manual
Power Adapter		1	120W medical power adapter: Input: 100V~240V AC, Output: 19 V DC
Power Cord		1	European power cords, 183 CM, C13

I/O Interface



POC-17C-ULT3 Dimensions (Unit: mm)



POC-17i-HM55

17" Medical Panel PC features Intel® Core™ i7/i5/i3 mobile processor with Intel® HM55 chipset

POC-19i-HM55

19" Medical Panel PC features Intel® Core™ i7/i5/i3 mobile processor with Intel® HM55 chipset



Features

- 17"~19" multi-functional panel PC with touchscreen
- Powered by high-performance Intel® mobile Core™ i7/ i5/ i3 CPU with Intel® HM55 chipset
- System memory supports DDR3 SDRAM SO-DIMM up to 8 GB
- HDMI interface provides second display with vivid image quality
- 802.11a/b/g/n high speed wireless
- Dual gigabit Ethernet



Specifications

Model		POC-17i	POC-19i
1 LCD Touch Specification	LCD Size (inch)	17"	19"
	Max. Resolution	1280 (W) x 1024 (H)	
	Brightness (cd/m²)	350	350
	Contrast Ratio	800:1	1000:1
	LCD Color	16.7M	
	Viewing Angle (H-V)	170°/160°	
	Touchscreen	5-wire resistive type	
3 System	CPU	Intel® mobile Core™ i7/i5/i3 CPU with Intel® HM55 chipset	
	Chipset	Intel® HM55	
	Memory	Two 204-pin 800/1066 MHz DDR3 dual-channel SO-DIMM (system max. 8GB)	
	I/O Ports	1 x RS-232 by DB-9	1 x RS-232 or RS-422/485 by DB-9
		2 x GbE LAN by RJ-45	4 x USB connector
		1 x HDMI port	1 x Audio jack (line-out)
		1 x VGA port by DB-15	1 x Reset button
		1 x Power switch	1 x Power jack
	Drive Bay	1 x 2.5" SATA HDD bay for SATA storage devices	
	Audio	AMP 3W + 3W (internal speaker)	
	LED Function	One power on/off LED on front panel	
	OSD Function	Five buttons (LCD on/off, Light +/-, Audio +/-)	
Wireless	Wi-Fi	802.11a/b/g/n	
6 Physical	Construction Material	Anti-bacteria plastic front frame	
	Mounting	Panel, Wall, Rack, Stand and Arm VESA 100 mm x 100 mm	Panel, Wall, Stand and Arm VESA 100 mm x 100 mm
	Net Weight	6.0 kg	6.2 kg
	Dimensions (WxHxD) (mm)	428 x 350 x 76	470 x 383 x 79
7 Environment	Operating Temperature (°C)	0°C~40°C	
	IP Level	IP 64 compliant front panel	
Power	Power Requirement	12V DC input	
	Power Adapter	96W medical power adapter: Input: 90V~264V AC; Output: 12V DC	
Certification		CE, FCC class B part 18, UL 60601-1, EN 60601-1	

1

IEI Mobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

Ordering Information

Part No.		Description
17"	POC-17-i7/2G/320G-R10	17" Medical Panel PC, with Core™ i7-620M 2.66GHz, 2 GB DDR3 RAM, 320 GB HDD, wireless 802.11a/b/g/n, touchscreen, power adapter, RoHS
	POC-17-i5/2G/320G-R10	17" Medical Panel PC, with Core™ i5-520M 2.4GHz, 2 GB DDR3 RAM, 320 GB HDD, wireless 802.11a/b/g/n, touchscreen, power adapter, RoHS
	POC-17-i3/2G/320G-R10	17" Medical Panel PC, with Core™ i3-350M 2.26GHz, 2 GB DDR3 RAM, 320 GB HDD, wireless 802.11a/b/g/n, touchscreen, power adapter, RoHS
19"	POC-19-i7/2G/320G-R10	19" Medical Panel PC, with Core™ i7-620M 2.66GHz, 2 GB DDR3 RAM, 320 GB HDD, wireless 802.11a/b/g/n, touchscreen, power adapter, RoHS
	POC-19-i5/2G/320G-R10	19" Medical Panel PC, with Core™ i5-520M 2.4GHz, 2 GB DDR3 RAM, 320 GB HDD, wireless 802.11a/b/g/n, touchscreen, power adapter, RoHS
	POC-19-i3/2G/320G-R10	19" Medical Panel PC, with Core™ i3-350M 2.26GHz, 2 GB DDR3 RAM, 320 GB HDD, wireless 802.11a/b/g/n, touchscreen, power adapter, RoHS

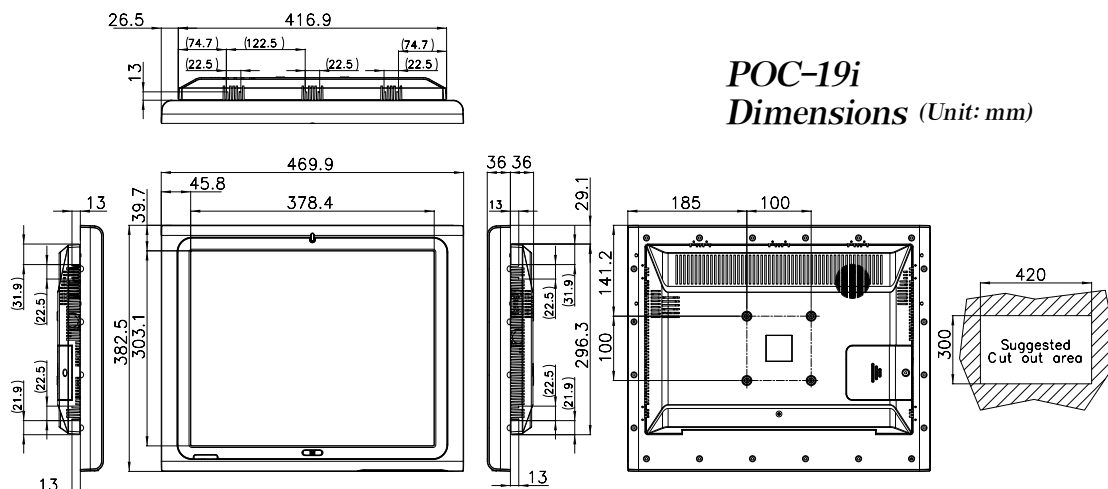
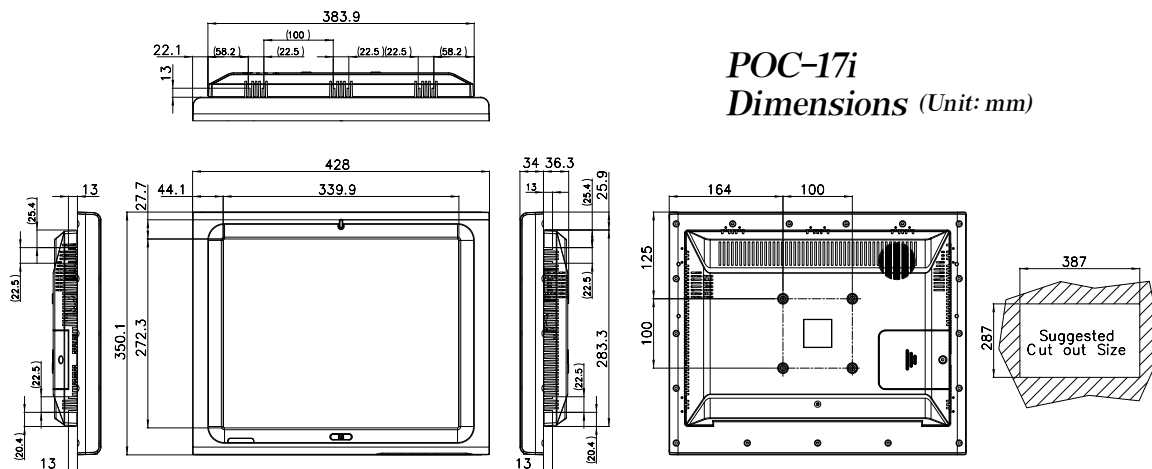
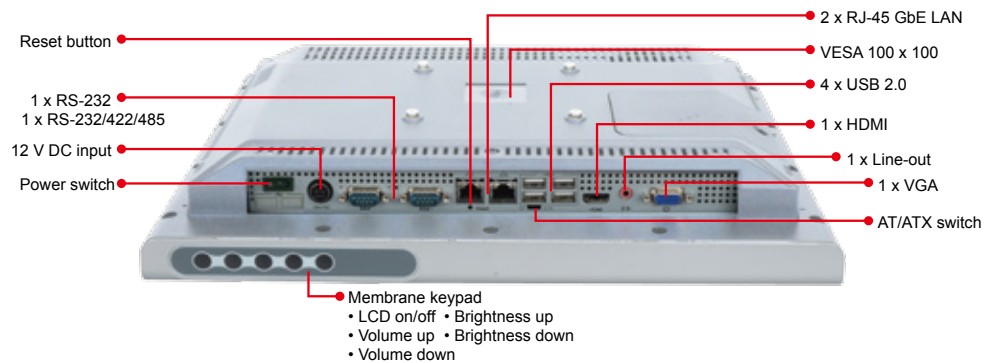
IQ Mounting Options

Item	Part No.
Wall Mount Kit	AFLWK-19B
Arm	ARM-11-RS, ARM-31-RS
Stand	STAND-A19, STAND-A21-R10

Packing List

Item	Part No.	Q'ty	Description
Utility CD	7B000-000773-RS	1	Drivers and User Manual
Power Adapter	63040-010096-030-RS	1	PMP120-12-S; 90~264VAC Input ; 96W; 12VDC output
Power Cord	32000-000002-RS	1	European, 1830mm
Pen	43125-0002C0-00-RS	1	For Resistive Touch

I/O Interface



Medical Panel PC

POC-W22A-H81

21.5" Medical Grade Panel PC

Features

- 21.5" 16:9 LED panel with FHD (1920 x 1080)
- 4th generation Intel® Core™ i5/i3/Pentium® CPU
- Projected capacitive touchscreen supports multi-touch
- IP65 compliant front bezel
- Anti-bacteria cover
- Optional 3-in-1 card reader: MSR, SCR and fingerprint
- Optional Mifare RFID module
- Optional internal 54W battery module
- Optional VoIP phone handset
- Optional handle module with barcode scanner and reading light



Slim Design with Multiple Expansion Capabilities and Remote Control Technology

The POC-W22A-H81 is a medical panel PC featuring IoT, and can be used as a bed-side terminal or a medical cart computer developed to completely meet users' needs and ergonomics. With the help of the IEI Remote Intelligent System (IRIS) technology, it is more convenient to manage, monitor and maintain the POC-W22A-H81 remotely. In addition, the light and slim design changes people's perception of the medical panel PC which is usually bulky and without any functional compromise.

• An Optional Built-in IEI IRIS Module

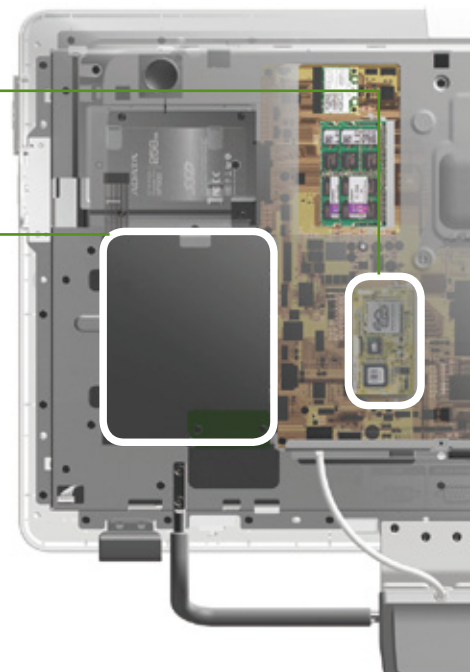
The IRIS technology provides remote control and monitoring features, which helps to reduce maintenance cost and to increase working efficiency in hospitals.

• An Optional Built-in Battery Module

The 54 W battery provides back-up power for up to 30 minutes in case of a power interruption. This feature offers protection against disruption of critical business operations or loss of data.

• Multiple Internal Expansion Capability

With the magnetic mechanism and the screw-less chassis design, it is easy to disassemble and replace the memory, fan, HDD and PCIe Mini card, making the upgrade and maintenance process become efficient and simple.



• Customized Internal Expansion Capability

The peripheral interface on the side panel can be customized according to users' needs by installing different types of PCIe Mini cards.

1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

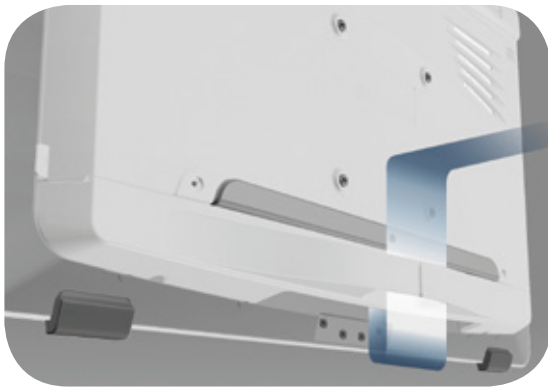
Rich External Expansion Module Suitable for Every Customized Environment

Multiple external expansion modules make the POC-W22A-H81 meet every customer's needs.



● 3-in-1 Combo Card Reader

The 3-in-1 card reader that supports IC cards, magnetic cards and fingerprint eliminates unnecessary cables, and does not occupy any USB port on the I/O interface at the bottom of the POC-W22A-H81.

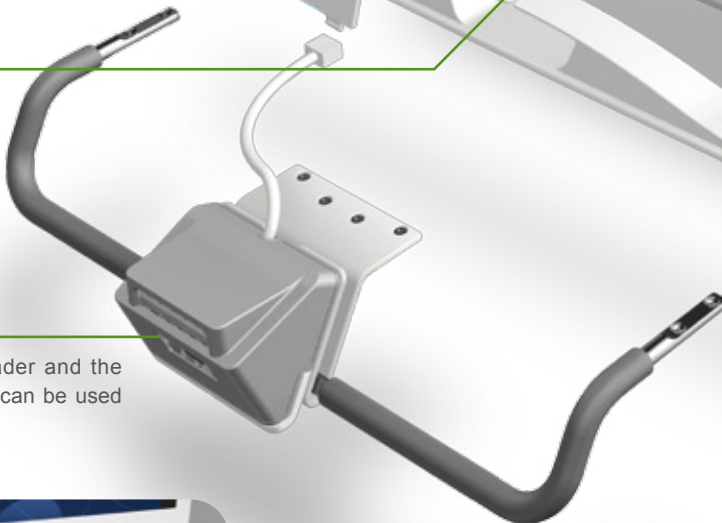
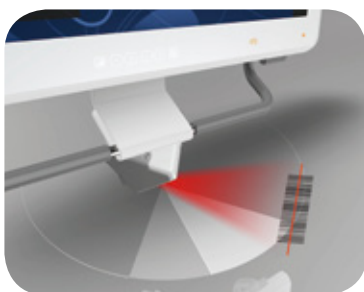


● Hug Style Cable Cover

Users can easily manage all the cables from the I/O ports, making it look fresh and allowing easier cleaning.

● Handle Module with Barcode Reader and Reading Light

Users can move panel PC easily. The barcode reader and the reading light module with adjustable operating angle can be used for multiple purposes.



Healthcare
Panel PC
Solution

5

ORing
Network
Communication

6

Automation
Control

7

Optional
Peripherals



● EZ Stand

The EZ stand which combines a cable management hole and slim outlook is designed for desk-based environments.



A System with Care—Simple and Light, yet Powerful!

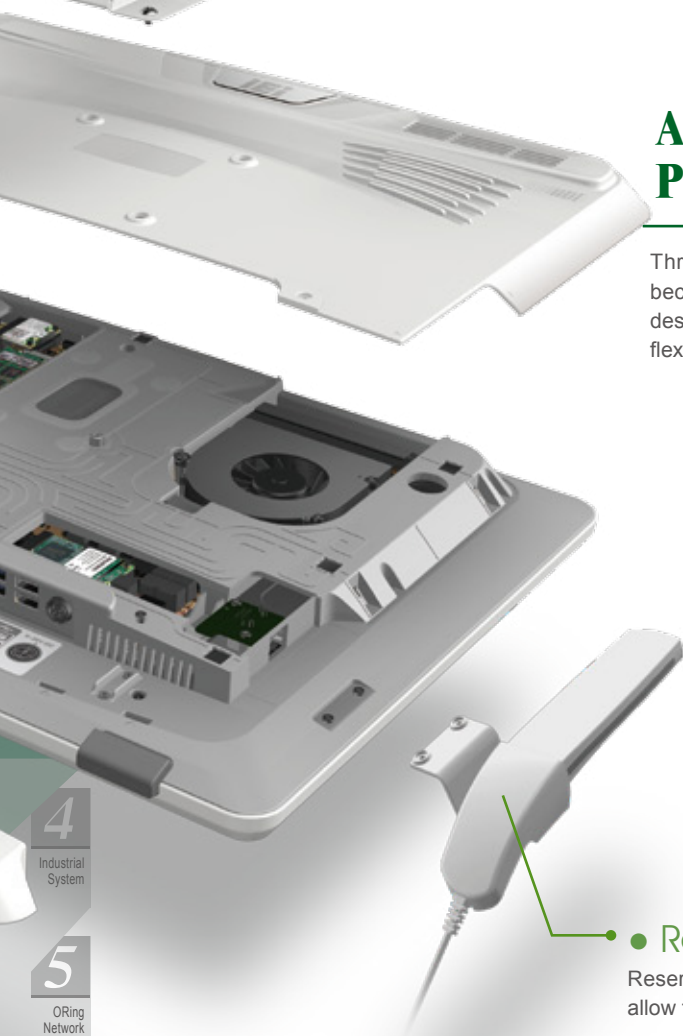
Through the minus design thinking, the design concept of the medical panel PC becomes pure and simple, making the POC-W22A-H81 look slim. Through the plus design thinking, the design concept of the external expansion capability becomes more flexible and much fit the customized requirements.

● Smooth Curves at the Back

The smooth curves perfectly shape the air vents and make users feel warm.

● Slim and Comfortable Sense of Touch

Slim and comfortable sense of touch makes users feel good while using it, and the clinician's view will not be blocked when moving the medical cart.



4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

● Reserved screw Holes for Customized Projects

Reserved screw holes for multiple modules, such as handset or sphygmomanometer, allow for customized installation capability.



● Privacy Cover for Webcam

The webcam cover protects the privacy of patients

Pay High Attention to Users' Experiences and Integrate All the Suggestions from Industry-academic Cooperation

Intensive cooperation with the Chang Gung University School of Nursing and the professional medical centers' personnel at the beginning stage of development makes the product 100% ideal for users' requirements. Implement the innovative design thinking activity to develop unique product features and to improve product functions.

● Reduce the Occupation on the Desk of the Medical Cart

Integrating various modules into one entity saves more desk space of the medical cart and provides a convenient using environment.

● Easy Using

With the stable handle, users can easily adjust the using angle and the position of the POC-W22A-H81. This feature greatly reduces the effort required using two hands to move the system.

● Reading Light Support

The built-in reading light on the handle module provides lighting for a small area in a dark environment without bothering patients.

● Adjustable-angle Barcode Reader

The barcode reader on the handle module supports angle adjustment, with which users can scan the objects conveniently without moving the entire panel PC.



1. Bedside Infotainment

The highly-integrated POC-W22A-H81 can save time on cable-managing process. Its optional accessories also make the healthcare environment become more flexible and friendly.



Through RFID, 3-in-1 card reader and Wi-Fi connection, doctors and nurses can log-in to the hospital information system to input medical checkup results, and to check the dosing records and other healthcare information. Nurses can also use barcode reader to collect relative information in the healthcare environment to eliminate human errors.



With the hospital system integrated, patients can check their medication records on the POC-W22A-H81 via RFID and the barcode reader. Through the Wi-Fi connection, patients can have their entertainment time as well. In addition, the multiple-fixed handle module offers great convenience to users so that they can adjust the using angle by just using a finger.

1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

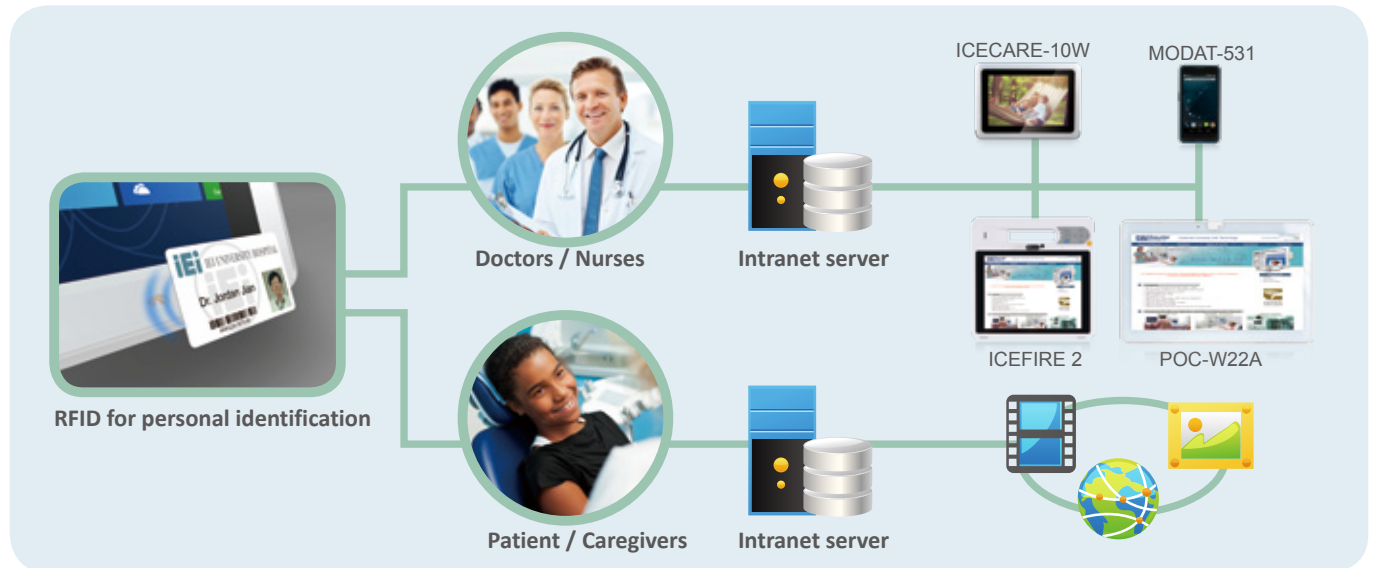
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Automation Control

7

Optional Peripherals

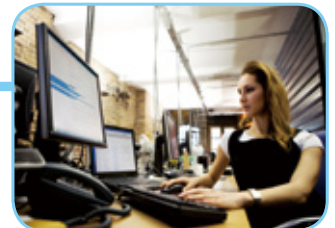
With various kinds of sensors (e.g. RFID and smart card reader), the IT personnel in hospitals can separate different loggers to different login path for data accessing. This application increases the safety of the data protection.



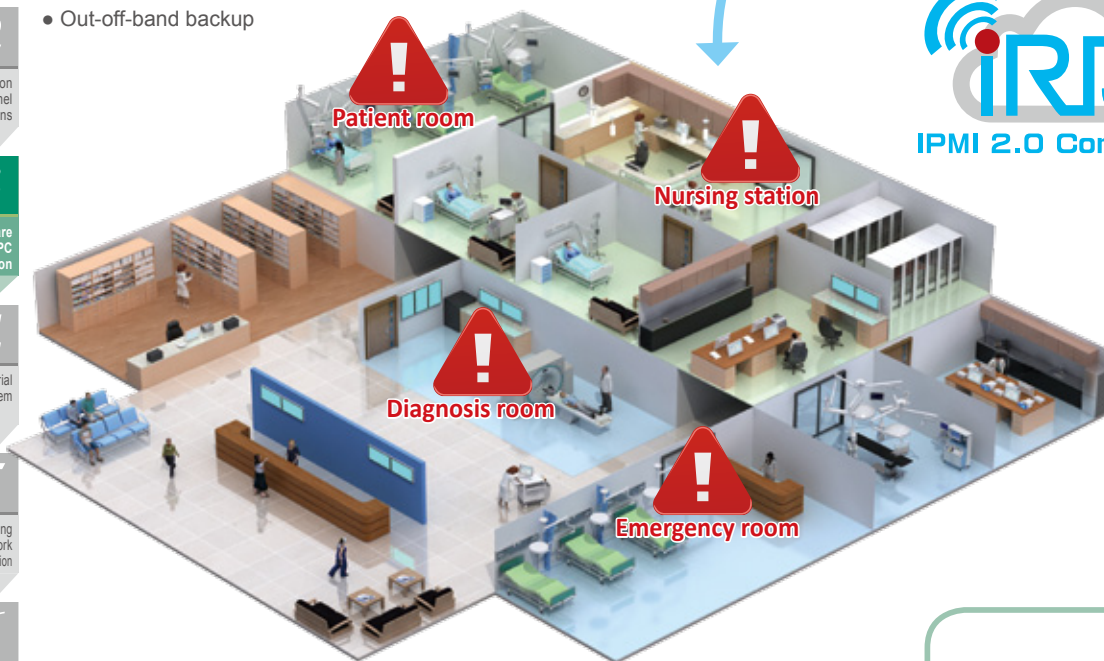
Remote Diagnosis & Troubleshooting

iRIS remote troubleshooting solved 85% of issues

- Remote BIOS update
- Remote OS recovery
- Remote KVM + virtual media
- Out-off-band backup



IT Console



The light, slim and smooth curves design with no inaccessible corners brings conveniences for the cleaning personnel and increases cleaning efficiency.



1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

2. Nursing Cart Computer



Through RFID, 3-in-1 card reader and Wi-Fi connection, doctors and nurses can log-in to the hospital information system to input medical checkup results, and to check the dosing records and other healthcare information. Nurses can also use barcode reader to collect relative information in the healthcare environment to eliminate human errors.



Checking dosing information and recording the patient-care information usually happen hundreds of times in a nurse's daily work. If these repeated processes can be improved to make it friendlier, the working efficiency and convenience of the stressful nurses will be greatly increased. The handle module is integrated with a barcode reader and a reading light located near the working area instead of the side of the device, offering a great convenience for the repetitive work.



The PCAP touch helps nurses operate the devices like using their mobile phone. Nurses who wear the latex gloves can operate the user interface easily during their daily routine.



The 54 W battery module provides back-up power for up to 25-30 minutes in case of a power interruption. This feature offers protection against disruption of critical business operations or loss of data.



The light, slim and smooth curves design with no inaccessible corners brings conveniences for the cleaning personnel and increases cleaning efficiency.

3. Applications



Operating room



Pharmacy counter



Dialysis lab



Examination center

1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

O/Ring Network Communication

6

Automation Control

7

Optional Peripherals

Specifications

Model		POC-W22A-H81	
LCD Specifications	LCD Display	21.5" (16:9)	
	Max Resolution	1920 (W) x 1080 (H)	
	Brightness (cd/m²)	250	
	Contrast Ratio	1000 : 1	
	LCD Color	16.7M colors (RGB 6-bit)	
	Pixel Pitch (mm)	0.24825 (H) x 0.24825 (V)	
	Viewing Angle (H-V)	170°/160°	
	Backlight MTBF (hrs)	30000 (LED backlight)	
Touch	Touchscreen	Projected capacitive type with USB interface	
	Touch Controller	EETI: EXC7200 + EX5404	
	Surface Hardness	6H	
System	CPU Support	Intel® desktop Core™ i7/i5/i3/Pentium®/Celeron® CPU with Intel® H81 chipset (Up to TDP 35W CPU)	
	Chipset	Intel® H81	
	RAM	Two 204-pin 1600/1333MHz dual-channel DDR3 SDRAM, 4GB pre-installed (system max.16GB)	
	I/O Port	1 x RS-232/422/485 2 x GbE LAN by RJ-45 (1 for iRIS) 1 x Power button 1 x VGA output	1 x HDMI output 1 x 12V~28V DC Jack 2 x USB 3.0 4 x USB 2.0 (2 on bottom and 2 on side) 1 x RJ-11 for barcode module
	Storage	1 x 2.5" SATA HDD bay	
	Audio	2 x 3W speaker	
	Webcam & Microphone	2-megapixel CMOS front-facing camera with auto-focus and digital microphone	
	Expansion Interface	1 x PCIe Mini for Wi-Fi module, 1 x PCIe Mini reserved	
	LED Indicator	2-light battery status LED, RFID indicator LED	
	Other Features	MIFARE RFID	Optional: MIFARE 13.56 MHz card reader
Function Key		1 x LCD on/off 1 x Brightness up 1 x Brightness down 1 x Volume up 1 x Volume down 1 x Touch lock button for cleaning	Combinations: 1 x Lock/Unlock OSD 1 x Power on/off
Light Sensor		Ambient light sensor for panel brightness adjustment	
Battery		Optional built-in 54W battery pack (30 mins)	
Remote Monitoring		1 x iRIS-2400 slot (iRIS remote management model)	
Cooling Method		Smart Fan	
Connectivity		Wi-Fi and Bluetooth	IEEE 802.11 a/b/g/n/ac 1T1R module with bluetooth V4.0 (PCIe half mini card)
Physical	Construction Material	ABS+PC plastic with anti-bacterial material	
	Mounting	Wall, Stand and Arm VESA 100mm x 100mm	
	Net Weight	7.3 kg	
	Dimensions (WxHxD)	542.5 mm x 349.5 mm x 52 mm	
Environment	Operating Temperature	0°C~40°C	
	Storage Temperature	-20°C~60°C	
	Humidity	10% to 95% (non-condensing)	
	Vibration	1G	
	Shock	Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration)	
	IP Level	IP65 compliant front panel	
Power	Power Input	12V~28V DC input	
	Power Adapter	120W medical power adapter: Input: 100V~240V AC; Output: 19V DC	
Certification		<ul style="list-style-type: none">• 47 CFR FCC Part 18 Class B, Subpart C• EN 60601-1-2:2007 + AC:2010• CE (EN60601-1:2006+A11:2011+A1:2013+A12:2014; IEC 60601-1:2005 + CORR.1:2006 + CORR.2:2007 + AM1:2012)• ANSI/AAMI ES60601-1 (2005/(R)2012 + A1:2012, C1:2009/(R)2012 + A2:2010/(R)2012)• CAN/CSA-C22.2 NO.60601-1:14• ISO 14971: 2007• R.E.D	

1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

Ordering Information

Part No.	Description
POC-W22A-H81i-P/PC/4G-R11	21.5" 250cd/m ² FHD medical panel PC with Intel® H81 chipset, Intel® Pentium® G3320TE processor (dual core, 2.3 GHz, TDP 35W), two 2 GB DDR3 RAM, 802.11a/b/g/n/ac Wi-Fi module, projected capacitive touchscreen, 2M camera, microphone, support iRIS-2400, R11
POC-W22A-H81i-i3/PC/4G-R11	21.5" 250cd/m ² FHD medical panel PC with Intel® H81 chipset, Intel® Core™ i3-4330TE processor (dual core, 2.4 GHz, TDP 35W), two 2 GB DDR3 RAM, 802.11a/b/g/n/ac Wi-Fi module, projected capacitive touchscreen, 2M camera, microphone, support iRIS-2400, R11
POC-W22A-H81i-i5/PC/4G-R11	21.5" 250cd/m ² FHD medical panel PC with Intel® H81 chipset, Intel® Core™ i5-4570TE processor (dual core, 2.7 GHz, TDP 35W), two 2 GB DDR3 RAM, 802.11a/b/g/n/ac Wi-Fi module, projected capacitive touchscreen, 2M camera, microphone, support iRIS-2400, R11

Options

Number	Description
MEDP-HS-R10	USB interface VoIP phone and its holder, white
MEDP-CR-R10	Magnetic card reader/Smart card reader/Fingerprint sensor, white
MEDP-HD-R10	Metal handle covered with soft rubber
MEDP-HD-BR-R10	Metal handle covered with soft rubber, with barcode reader and reading light, White
MEDP-MF-RFID-R10	MIFARE RFID reader, 13.56MHz, with LED indicator, IEI assembly only
MEDP-TPM-R10	Trusted platform module kit, IEI assembly only
MEDP-BAT-R10	Li-Ion Battery, 3700mAh; Charging Voltage: above 16.8V; with LED indicator, IEI assembly only; RoHS
MEDP-EZS-R10	VESA 100 x 100 mm panel PC stand with a cable management hole, white
iRIS-2400-R10	IPMI 2.0 adapter card with AST2400 BMC chip for DDR3 SO-DIMM socket interface
POCP-CC01-R10	POC-W22A-H81 cable cover, white, plastic, R10
POC-W22A-H81-WES7P64-R10	OS Image with 64bit Windows Embedded Standard 7 P for POC-W22A-H81 Series, with DVD-ROM
POC-W22A-H81-WE8S64-R10	OS Image with 64bit Windows Embedded Standard 8 for POC-W22A-H81 Series, with DVD-ROM

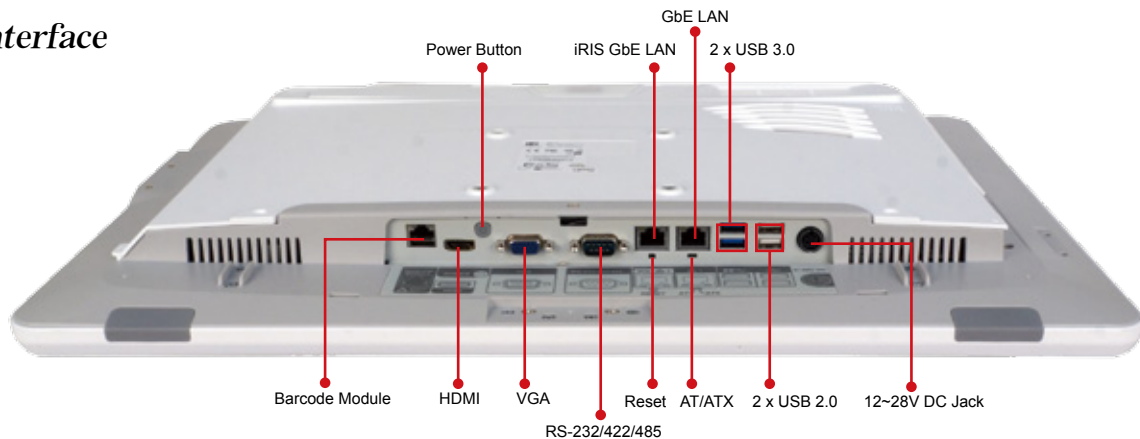
IQ Mounting Options

Item	Part No.
Wall Mount Kit	AFLWK-19B
Arm	ARM-31-RS
Stand	STAND-300SW-RS/STAND-A21-R10

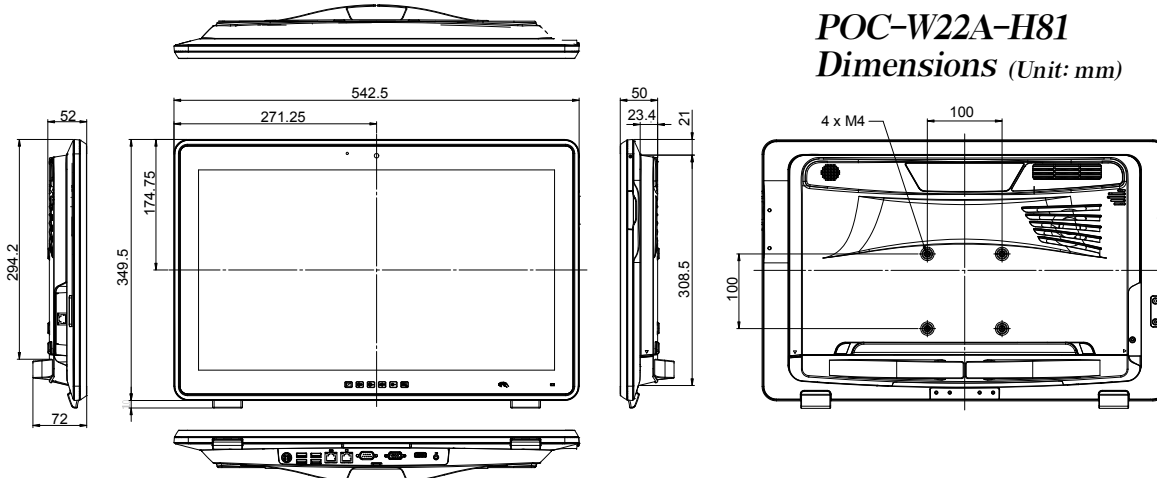
Packing List

Item	Part No.	Q'ty	Description
Utility CD	7B000-001137-RS	1	Drivers and User Manual
Power Adapter	63040-010120-010-RS	1	120W medical power adapter: Input: 100V~240V AC, Output: 19 V DC
Power Cord	32702-000200-100-RS	1	European power cords, 183 CM, C13

I/O Interface



POC-W22A-H81 Dimensions (Unit: mm)



Medical Panel PC

Preliminary

BIS-W19C-ULT3

18.5" Medical Grade Panel PC

Features

- 18.5" 16:9 LED Panel (1366 x 768 / 1920 x 1080)
- Intel® 6th generation Core™ i5-6300U and Celeron® 3955U CPU
- Projected capacitive touchscreen supports multi-touch
- IP65 compliant front bezel
- Anti-bacteria cover
- HDMI input supported (monitor mode)
- Optional 3-in-1 card reader: MSR, SCR and fingerprint
- Optional Mifare RFID module
- Optional VoIP phone handset
- Optional handle module with barcode scanner and reading light



1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

It's a medical grade PC as well as a monitor!

A Integrated a wireless video streaming device

OR

B Connected with a physical cable (with an extra HDMI extension cord from board to I/O)



For HDMI input function, we put a physical button here to make the mode switching process more smoothly and friendly.

Applications



● Push notification services for patients

Inpatients may need health education from hospital or reading the preoperative notice before surgery. The BIS-W19C-ULT3 could be integrated with the hospital server to realize these functions, with which most of the action of health education could be digitized to reduce human resources.



● HIS/NIS system for nurses

Most of the hospitals make use of digital information system to avoid human error and to optimize caring flow. The BIS-W19C-ULT3 could be integrated with the HIS/NIS system, from which clinicians can easily check doctors' prescriptions and record patients' vital information to the data center directly.



● Entertainment for patients

Inpatients in the hospital may have plenty of time except consultation of doctors or doing a surgery, which means inpatients also need some entertainments. The BIS-W19C-ULT3 could be integrated with the bedside software applications which aggregate various functions that inpatients may need. The bedside solution could offer inpatients all the daily requirements.



● Patient counseling discussion

Ward rounds are a major daily work of doctors. It is difficult for the doctor to carry all patients' medical information during ward rounds. The generation of digital healthcare is happening. The doctor can just bring a tablet during ward rounds to explain all the medical conditions to each inpatient. Wireless video streaming to a bigger screen helps doctors, inpatients and family members have a more convenient discussing environment.

1

IEIMobile
Solutions

2

Automation
Panel
Solutions

3

Healthcare
Panel PC
Solution

4

Industrial
System

5

ORing
Network
Communication

6

Automation
Control

7

Optional
Peripherals

Specifications

Model		BIS-W19C-ULT3
LCD Specifications	LCD Display	18.5" (16:9)
	Max Resolution	1366 (W) x 768 (H) / 1920 (W) x 1080 (H)
	Brightness (cd/m²)	250 / 350
	Contrast Ratio	1000:1
	LCD Color	16.7M colors (RGB 6-bit) / 16.7M colors (RGB true 8-bit)
	Pixel Pitch (mm)	0.3 (H) x 0.3 (V) / 0.213 (H) x 0.213 (V)
	Viewing Angle (H-V)	170°(H) / 160°(V), 178°(H) / 178°(V)
	Backlight MTBF (hrs)	30000 (LED backlight) / 50000 (LED backlight)
Touch	Touchscreen	Projected capacitive type with USB interface
	Touch Controller	AMT
	Surface Hardness	6H
System	CPU Support	Intel® Skylake-ULT platform Core™ i5-6300U and Celeron® 3955U
	Chipset	N/A
	RAM	Two 260-pin 2133/1866 MHz dual-channel DDR4 non-ECC unbuffered SO-DIMMs (system max. 32GB)
	I/O Port	Rear 1 x 1.5KV isolation COM port 1 x 12~28V DC Jack 1 x GbE LAN port 2 x USB 3.0 port
		Bottom 1 x RJ-11 for barcode scanner (1D/2D) 1 x GbE LAN port 2 x USB 3.0 port 1 x HDMI output
		Side 1 x HDMI input (optional) 2 x USB 2.0 port 1 x Audio out 1 x Mic in
	Storage	1 x 2.5" SATA 6Gb/s HDD bay 1 x mSATA reserved (PCIe Mini interface)
	Audio	2 x 2W speaker
	Webcam & Microphone	2-megapixel CMOS front-facing camera with auto-focus and digital microphone
	Expansion Interface	1 x PCIe Mini reserved
Other Features	LED Indicator	RFID indicator LED
	Mifare RFID	Optional: Mifare 13.56 MHz card reader
	Function Key	1 x LCD on/off 1 x Brightness up 1 x Brightness down 1 x Volume up 1 x Volume down 1 x Touch lock button for cleaning
		Combinations: 1 x Auto-dimming on/off
	Light Sensor	Ambient light sensor for panel brightness adjustment
Connectivity	Cooling Method	Fan-less
	Wi-Fi and Bluetooth	IEEE 802.11 a/b/g/n/ac 2T2R module with Bluetooth V4.1 (M.2 2230 A-E key module)
Physical	Construction Material	ABS+PC plastic with anti-bacterial material
	Mounting	Wall, Stand and Arm VESA 100mm x 100mm / 75mm x 75mm
	Net Weight	6.5 kg
	Dimensions (WxHxD) (mm)	478.6 x 317.3 x 60.1
Environment	Operating Temperature	0°C~40°C
	Storage Temperature	-20°C~60°C
	Humidity	10% to 95% (non-condensing)
	Vibration	1G
	Shock	Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration)
	IP Level	IP65 compliant front panel
Power	Power Input	12V~28V DC input
	Power Adapter	120W medical power adapter: Input: 100V~240V AC, Output: 19V DC
Certification	EMC	
	Safety	
	R.E.D	

1

IEIMobile
Solutions

2

Automation
Panel
Solutions

3

Healthcare
Panel PC
Solution

4

Industrial
System

5

ORing
Network
Communication

6

Automation
Control

7

Optional
Peripherals

Ordering Information

Part No.	Description
BIS-W19CF-ULT3-C/PC/4G-R10	18.5" 350 cd/m ² 1920 x 1080 panel PC with Intel® 14nm 6th generation mobile Celeron® 3955U (15W) on-board processor (ULT), one 4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2-megapixel camera, microphone, R10
BIS-W19CF-ULT3-i5/PC/4G-R10	18.5" 350 cd/m ² 1920 x 1080 panel PC with Intel® 14nm 6th generation mobile Core™ i5-6300U (15W) on-board processor (ULT), one 4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2-megapixel camera, microphone, R10
BIS-W19C-ULT3-C/PC/4G-R10	18.5" 250 cd/m ² 1366 x 768 panel PC with Intel® 14nm 6th generation mobile Celeron® 3955U (15W) on-board processor (ULT), one 4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2-megapixel camera, microphone, R10
BIS-W19C-ULT3-i5/PC/4G-R10	18.5" 250 cd/m ² 1366 x 768 panel PC with Intel® 14nm 6th generation mobile Core™ i5-6300U (15W) on-board processor (ULT), one 4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2-megapixel camera, microphone, R10

Options

Number	Description
MEDP-HS-R10	USB interface VoIP phone and its holder, white
MEDP-CR-R10	Magnetic card reader/Smart card reader/Fingerprint sensor, white
MEDP-HD-R10	Metal handle covered with soft rubber
MEDP-HD-BR-R10	Metal handle covered with soft rubber, with barcode reader and reading light, White
MEDP-MF-RFID-R10	MIFARE RFID reader, 13.56MHz, with LED indicator, IEI assembly only
MEDP-TPM-R10	Trusted platform module kit, IEI assembly only
MEDP-EZS-R10	VESA 100 x 100 mm panel PC stand with a cable management hole, white

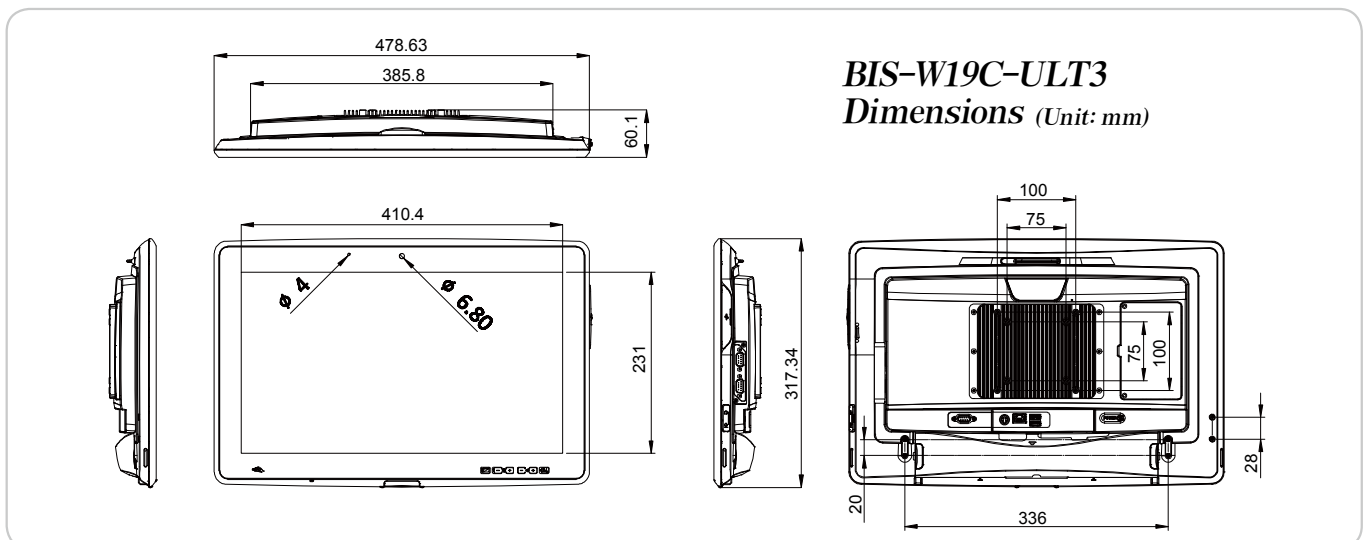
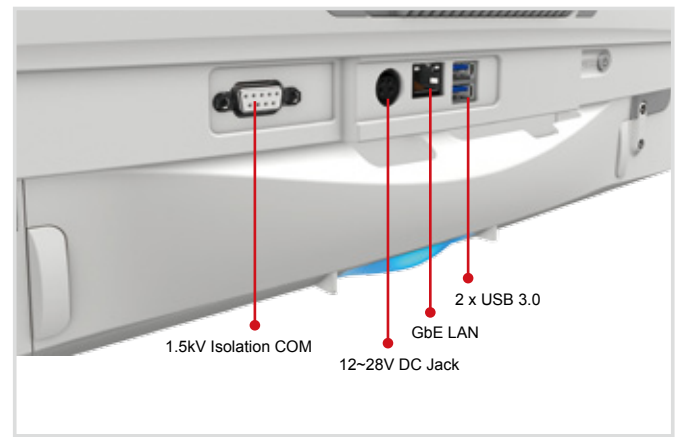
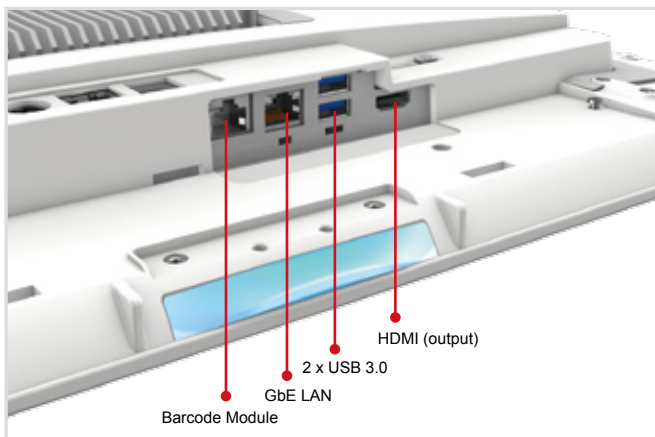
IQ Mounting Options

Item	Part No.
Wall Mount Kit	AFLWK-19B
Arm	ARM-31-RS
Stand	STAND-300SW-RS/STAND-A21-R10

Packing List

Item	Part No.	Q'ty	Description
Utility CD		1	Drivers and User Manual
Power Adapter		1	120W medical power adapter: Input: 100V~240V AC, Output: 19 V DC
Power Cord		1	European power cords, 183 CM, C13

I/O Interface



1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

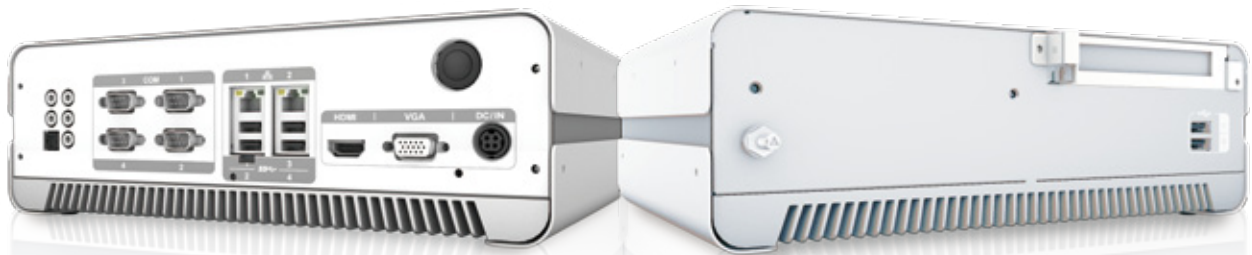
Optional Peripherals

Smart Healthcare Box PC Solution

Providing the most efficient and high quality medical integration solution

IEI has developed a high quality and reliable medical communication system - the HTB-100 medical grade embedded system. The HTB-100 meets a strict medical, safety and EMC testing that complies with ISO13485, IEC 60601-1 (V3.1) and IEC 60601-1-2 (V4.0) standards. The HTB-100 is designed to be used in hospital environment - such as ICU, operating room or emergency room - to fulfill various surgical requirements. The HTB-100 is a high-performance fanless computing system. The fanless design can reduce the noise and the effort in cleaning. In addition, the HTB-100 supports isolated COM ports and flexible expansion so that video capture card can be installed for medical image inspection. IEI's medical grade products are easy to use and would be the best choice for you.

Potential Applications - Medical Box PC



Operating Room



Intensive Care Unit



Emergency Room

Benefits for smart healthcare

- Providing high performance medical embedded system
- Fanless design for quiet operation and easy maintenance
- Multiple expansions for reducing costs and adding more functions easily
- Flexible power input
- Make medical staffs more convenient and eliminate human errors



Medical Certifications



1

IEIMobile
Solutions

2

Automation
Panel
Solutions

3

Healthcare
Panel PC
Solution

4

Industrial
System

5

ORing
Network
Communication

6

Automation
Control

7

Optional
Peripherals

Medical Box PC

Preliminary

HTB-100-HM170

Fanless Quad Core Box PC

Features

- Medical grade with high performance fanless embedded computing
- 6th Gen Intel® Core™ processor platform with Intel® HM170 chipset and DDR4 memory
- Triple independent display with high resolution support
- Isolated COM ports for enhancing safety among devices
- IP41 compliant top cover and cable cover for easy cleaning
- Optional PCIe x16 expansion slot supports more flexible functions



Smart & Friendly Design! HTB-100 brings you more satisfaction

Isolated COM ports, rich I/O interface, and multiple expansions are built in to the HTB-100. The intelligent HTB-100 medical computing system will meet all demands from the medical applications.



Compliant with medical standards

The HTB-100 is compliant with medical standards, including IEC 60601-1 V3.1, IEC 60601-1-2 V4.0, IEC 62304, IEC 62366, ISO 14971 and FCC part 18 class B, making the medical environment more reliable.

Flexible expansion

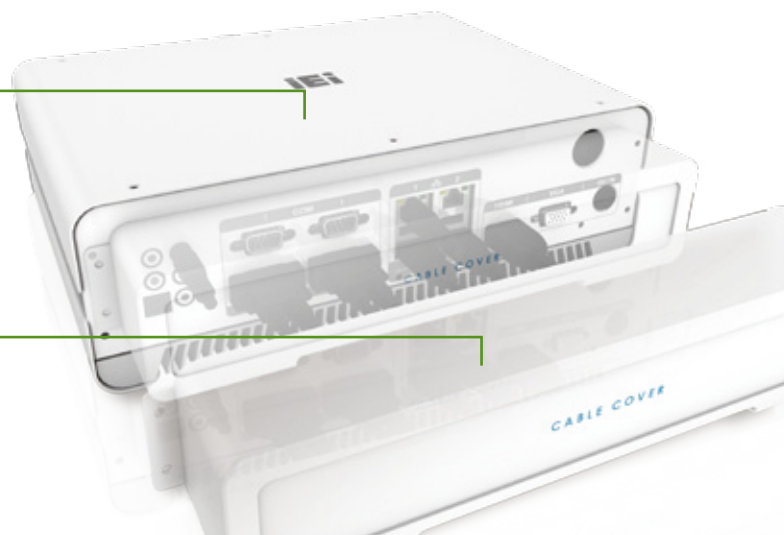
The flexible expansion is one of the advantages of the HTB-100 for medical applications. The HTB-100 reserves a PCIe x16 slot for add-on card expansions, such as capture card for medical imaging inspection during surgery.

IP41 waterproof top cover

The HTB-100 is IP41 rated and is equipped with a waterproof top cover in order to prevent any damage from cleaning or liquid which may indirectly affect patients. The HTB-100 can meet flat design and reduce maintenance effort.

Cable cover for easy cabling

The cable cover protects the HTB-100 from dust and liquid ingress, and allows the medical staff to easily manage all the cables from the I/O ports, making the cleaning process more convenient in medical environment.



1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

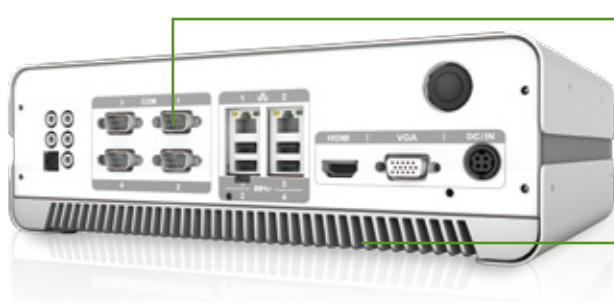
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Automation Control

7

Optional Peripherals

Powerful system design capability with innovative technology



Isolated COM ports for safety protection

The COM ports support 4kV isolation that meets medical standard (IEC 60601-1-2 V4.0). The isolated ports can increase safety on device designed for medical environment, and provide comprehensive protection against electrical surges for patients and medical staffs.

Fanless and easy maintenance

The HTB-100 is a fanless embedded system, and the heatsink is situated on the bottom side. The design makes the HTB-100 an easy-to-clean and reliable system for the medical environment.

Ground pin to prevent harm to patients and medical staffs

The perfect grounding pin design can avoid current from the HTB-100 to vital devices which connect to patients, and to avoid the current damage from other devices.

Easy mounting design

Various mounting methods such as desktop and wall mount are supported for easy use in medical environment. The provided flexible mounting bracket can be oriented 180 degrees to change from desktop to wall mount.



Specifications

	Model	HTB-100-HM170
Chassis	Color	Silver+Greyish blue
	Dimensions (WxDxH)	294 x 209 x 90.2
	System Fan	Fanless
	Chassis Construction	Extruded aluminum alloy
Motherboard	CPU	Intel® Core™ i7-6822EQ (2 GHz, quad-core, TDP=25) Intel® Core™ i5-6442EQ (1.9 GHz, quad-core, TDP=25)
	Chipset	Intel® HM170
	System Memory	2 x 260-pin DDR4 SO-DIMM, one 4 GB pre-installed (system max: 32GB)
Storage	Hard Drive	1 x 2.5" SATA 6Gb/s HDD/SSD bay
I/O Interfaces	USB 3.0	4
	USB 2.0	2
	Ethernet	2 x RJ-45 PCIe GbE by Intel® I211 controller
	COM Port	2 x RS-232 (DB-9, with 4 kV isolation) 2 x RS-232/422/485 (DB-9, with 4 kV isolation)
	Display	1 x VGA, 1 x HDMI 2.0, 1 x iDP (optional)
	Resolution	VGA: Up to 1920 x 1200@60HZ HDMI 2.0: Up to 4096 x 2160@60Hz
	Audio	Realtek ALC662, 5.1-channel High Definition Audio (HDA), Line-in, Line-out, Mic-in
	Wireless	1 x 802.11a/b/g/n/c 2T2R (optional)
Expansions	PCIe	1 x PCIe 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 (A & E key)
Power	Power Input	DC Jack: 12~28V DC
	Power Consumption	12V@7.41A (Intel® Core™ i7-6822EQ with 16 GB memory)
Reliability	Mounting	Wall mounting
	Operating Temperature	0°C ~ 40°C with air flow (SSD), 10% ~ 95%, non-condensing
	Storage Temperature	-40°C ~85°C with air flow (SSD), 10% ~ 90%, non-condensing
	Operating Shock	Half-sine wave shock 5G; 11ms; 100 shocks per axis
	Operating Vibration	MIL-STD-810G 514.6 C-1 (with SSD)
	Safety / EMC	CE, FCC class B part 18, IEC 60601-1 V3.1, IEC 60601-1-2 V4.0, IEC 62304, IEC 62366, ISO 14971
	IP Level	IP41 compliant top cover
OS	Supported OS	Microsoft® Windows 8, Microsoft® Embedded Standard 7

1

IEI Mobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

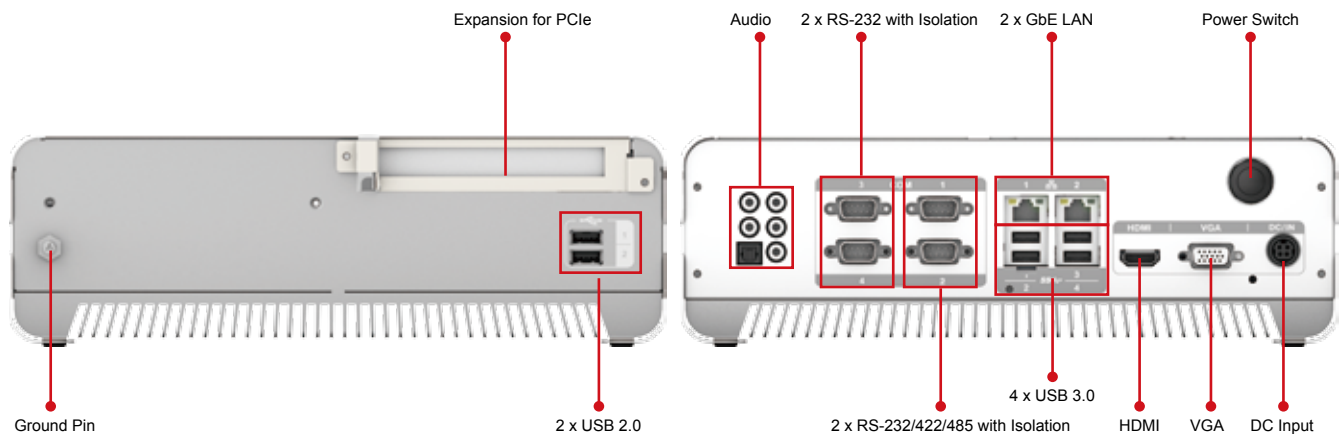
Ordering Information

Part No.	Description
HTB-100-HM170-i5/4G-R10	Ruggedized fanless embedded system with Intel® Core™ i5-6442EQ 1.9 GHz (up to 2.7 GHz, quad core, TDP 25W), 4GB DDR4 pre-installed memory, one PCIe x16 expansion, VGA/HDMI/iDP, COM port, 12~28V DC, RoHS
HTB-100-HM170-i7/4G-R10	Ruggedized fanless embedded system with Intel® Core™ i7-6822EQ 2.0 GHz (up to 2.8 GHz, quad core, TDP 25W), 4GB DDR4 pre-installed memory, one PCIe x16 expansion, VGA/HDMI/iDP, COM port, 12~28V DC, RoHS

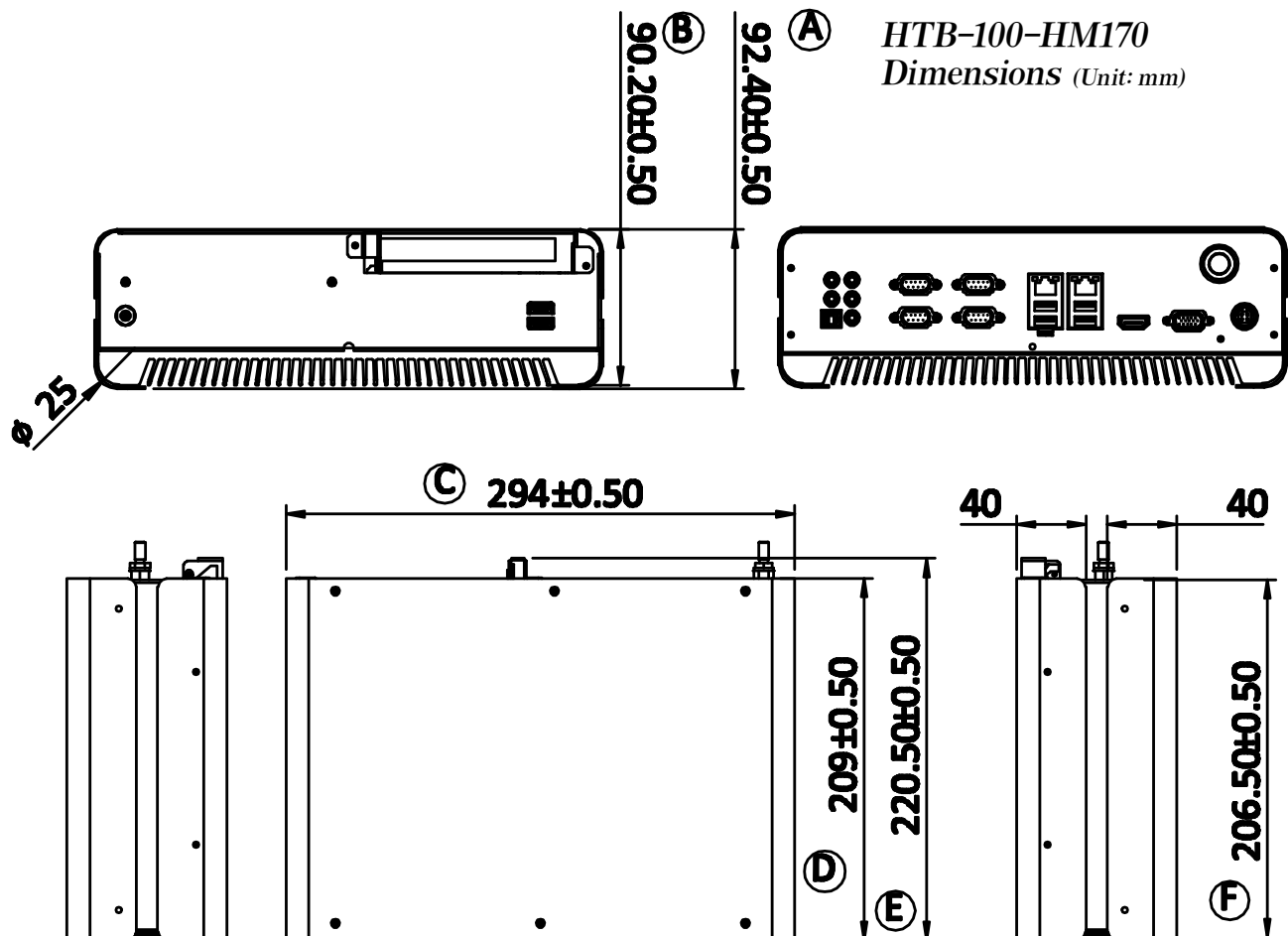
Packing List

1 x Utility CD	1 x Chassis Screw	1 x One Key Recovery CD	1 x Mounting Bracket
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I/O Interface



HTB-100-HM170 Dimensions (Unit: mm)



1

IEIMobile
Solutions

2

Automation
Panel
Solutions

3

Healthcare
Panel PC
Solution

4

Industrial
System

5

ORing
Network
Communication

6

Automation
Control

7

Optional
Peripherals

HTDB-100FM

New

Handheld Barcode Reader with 1D/2D Barcode Decoding, 1280x1024, 10 ~ 270 mm Reading Distance, Anti-bacterial Surface, USB Interface

Features

- Medical Grade Design
 - Anti-bacterial surface
 - IP 41 protection class
 - Designed to withstand 20 times of 1.8 m drops to concrete on each of the faces
- Supports 1D and 2D Barcode Decoding
 - ISV Decode Algorithms/Technology
- Easy Connectivity
 - RJ-45 to USB I/O interface
- Easy Setup



Easy Setting for Barcode Preference or Symbology

To configure the barcode reader, simply scan the corresponding barcode symbols listed in the user manual. For example, if the user needs to set the exposure mode to automatic, just scan the Auto Exposure barcode.



HTDB-100FM Decode Range

HTDB-100FM Decode Range	mil	Distance (mm)
code39 (Calibration Test Cards)	7.5	30 mm - 145mm
code128 (Calibration Test Cards)	7.5	35 mm - 145mm
UPCE (Calibration Test Cards)	13	20mm - 250mm
QR code	10	35mm - 180mm
	20	10mm-270mm
Data Matrix	10	35mm-170mm
	20	15mm-270mm

Application Place



Medical

The HTDB-100FM can be used in the medication cart/operating room/pharmacy/emergency room.



Industrial

The HTDB-100FM can be used in the production line/warehouse.



Food

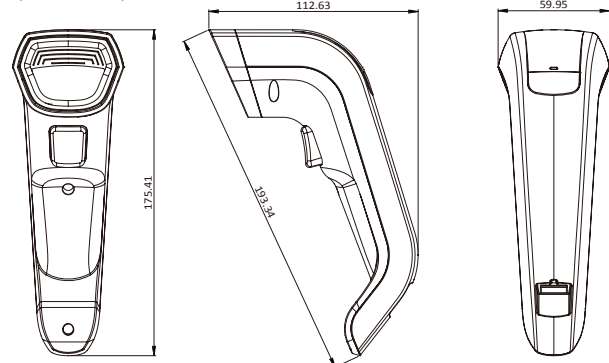
The HTDB-100FM can be used in the discount stores/supermarket.

Specifications

Model		HTDB-100FM
Electrical	Interface	RJ-45 to USB 2.0
	Input Voltage	5 V
	Operating Power	2 W ~ 3 W
Mechanical	Dimensions (HxWxD)	17.5 cm x 5.9 cm x 11.2 cm
	Weight	120 g
Environmental	Drop	Designed to withstand 20 times of 1.8 m drops to concrete on each of the faces
	Sealing	IP 41
	Operating Temperature	0°C to 55°C (32°F to 131°F)
	Storage Temperature	-10°C to 65°C (13°F to 149°F)
	Humidity	0 to 95% relative humidity, non-condensing
	Light Levels	0 to 100,000 lux (9,290 foot-candles)
Light Source	Aiming Pattern	520 ~ 535 nm LED
	Illumination	646 ~ 666 nm LED
System Requirement	OS Support	Microsoft Windows 7/8.1(32-bit&64-bit)
	SDK	Windows: Provides SDK and demo program with sample source code Linux: Provides SDK and demo program with sample source code
Scan Performance	Scan Pattern	Area image (1280 x 1024 pixel array, 1.3M pixels)
	Motion Tolerance	Up to 350 cm/s for 13 mil UPC at optimal focus
	Depth of Field	10 mm ~ 270 mm
	FOV	Horizontal: 42.4° / Vertical: 34.4° / Diagonal: 53°
	Print Contrast	20% minimum reflectance difference
	MTF	100 lp/mm (>10%)
Symbolologies	1D	UPC/EAN, UPC/EAN with supplementals, Bookland EAN, ISSN, UCC Coupon Extended Code, Code 128, GS1-128, ISBT 128, Code 39, Code 39 Full ASCII, Code 93, Interleaved 2 of 5, Codabar, MSI
	2D	MicroPDF417, PDF417, Data Matrix, QR Code, Micro QR Code
Certification	Electrical Safety	UL60950-1 2nd ed, EN60950-1/IEC60950-1 2nd ed
	LED Safety	IEC 62471 and EN 62471
	EMI/RFI	FCC Part 15 Class B, EN55022 Class B, EN55024, Medical Electrical Equipment:EN60601-1-2, FCC Part 18



HTDB-100FM Dimensions (Unit: mm)



Packing List

1 x HTDB-100F series handheld barcode reader

1 x RJ-45 to USB cable

1 x QIG

Ordering Information

Part No.	Description
HTDB-100FM-R10	Handheld barcode reader with 1D/2D barcode decoding, 1280x1024, 10 ~ 270 mm reading distance, anti-bacterial surface, USB interface, RoHS
HTDB-100F-R10	Handheld barcode reader with 1D/2D barcode decoding, 1280x1024, 10 ~ 270 mm reading distance, USB interface, RoHS

1

IEIMobile
Solutions

2

Automation
Panel
Solutions

3

Healthcare
Panel PC
Solution

4

Industrial
System

5

ORing
Network
Communication

6

Automation
Control

7

Optional
Peripherals

Solution Partner for Healthcare Industry



1

IEI Mobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

Celebrate Humanity with Technology

BriteMED is dedicated to developing and applying innovative electronic medical solutions that improve clinical workflow and enhance patient care. At BriteMED, all the solutions are designed, tested and refined with the clinical environment in mind. As an affiliate of the IEI Group, a reputed industrial application provider, we leverage the hardware and software strength to provide integrated solution, including medical device, medical display, computing platform, mobile workstation and powering system. The upmost medical solution together with the advanced technology is our commitment for medical professionals. From product design to integration service, we aim to develop reliable and technology-driven solutions that make people's lives better-whether they are doctors, nurses or patients. We believe perfecting those small details touches our customers and their individual requests.

Medical Certifications



BriteMED® MMS-21C

A full-HD LCD medical monitor with VGA and DVI-D inputs



* Stand is optional

Features

- Standard DVI-D and VGA inputs
- Full-HD LCD panel for exceptional display clarity
- DICOM/Gamma calibration for best image accuracy
- Easy-disinfection panel for hygienic purpose
- Optional display layout adjustment: picture-in-picture & picture by picture

Specifications

	MMS-21C
Description	Non-touchscreen with VGA, DVI-D inputs
	Display
LCD Size	21.5" (16:9)
Resolution	1920 (W) x 1080 (H) pixels
Brightness(max.)	250 nits (typical)
Contrast Ratio	5000:1 (typical)
View Angle (H/V)	178°/178° (typical)
	General
Color Temperature	Factory calibrated 3600K, 4500K, 5500K, 6500K, 7500K, USER
Gamma Correction	Factory calibrated gamma 2.0 & DICOM
Power Requirement	Medical grade power adaptor:100~240V AC 1.0-0.6A 50~60Hz, 12V DC 2.5A
Function Keys	1 x OSD rotary knob 1 x Input source quick selection 1 x Monitor Sleep
Dimensions (Lx W x H)	530.3 x 325 x 53mm
Weight	6.2kg
Operating Temperature	0°C~40°C
Storage Temperature	-20°C ~60°C
Medical Certifications	AAMI ES 60601-1 and EN 60601-1
	Input
VGA (DB-15)	1
DVI-D	1
Audio	Phone jack x 1
	Output
Audio	2W x 2
	Optional Interfaces
HDMI 1.4	Input: HDMI 1.4 x 1, Output: HDMI 1.4 x 1 (loop through)
3G-SDI	Input: 3G-SDI x 1, Output:3G-SDI x 1 (loop through)
	Package Content
Package Content	<ul style="list-style-type: none"> • Monitor x 1 • Power Adapter x 1 • VGA Cable x 1

1

IEIMobile
Solutions

2

Automation
Panel
Solutions

3

Healthcare
Panel PC
Solution

4

Industrial
System

5

ORing
Network
Communication

6

Automation
Control

7

Optional
Peripherals

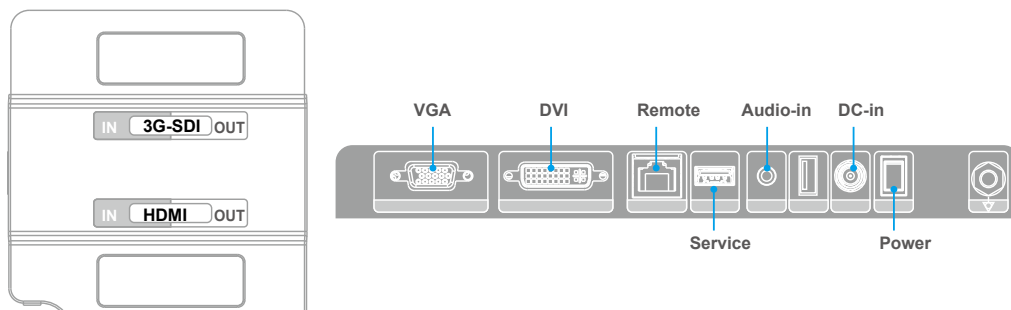
Ordering Information

Part No.	Description
MMS-21C-R10	21.5" 1920x1080 color monitor, VGA/DVI-D input, 100~240 VAC to 12V DC power adaptor
MMS-21CH-R10	21.5" 1920x1080 color monitor, VGA/DVI-D/HDMI input, 100~240 VAC to 12V DC power adaptor

Options

Part No.	Description
MMSO-3GSDI-R10	3GSDI input & loop-through add-on module
MMSO-HDMI-R10	HDMI 1.4 input & loop-through add-on module

Signal Interface



* SDI and HDMI connectors are optional interfaces.

1
IEIMobile
Solutions

2
Automation
Panel
Solutions

3
Healthcare
Panel PC
Solution

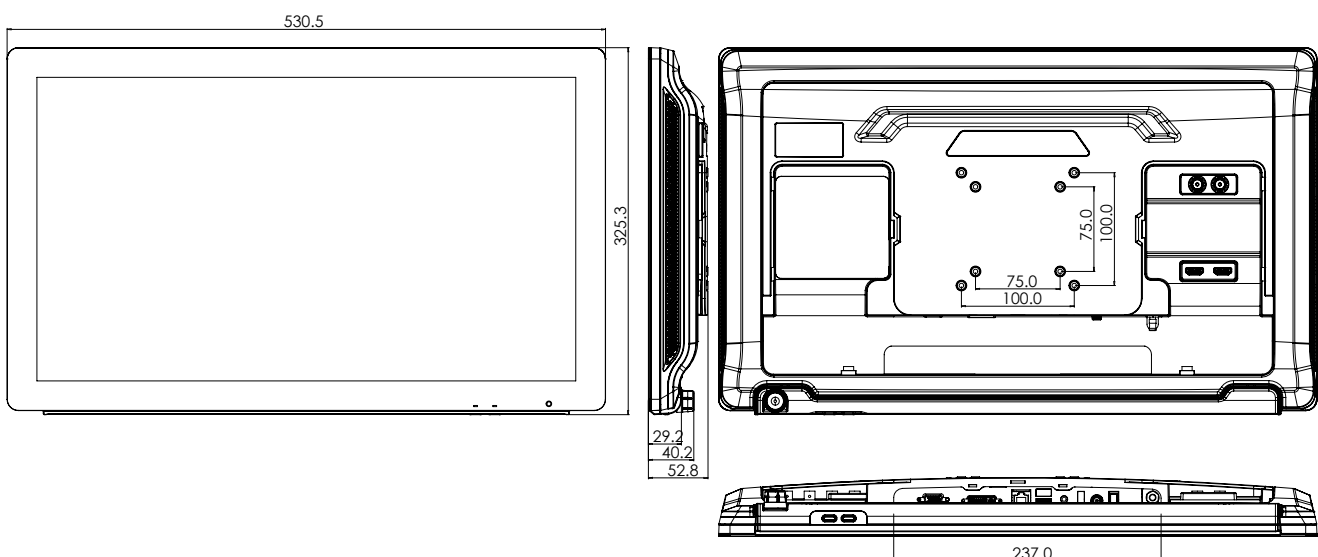
4
Industrial
System

5
ORing
Network
Communication

6
Automation
Control

7
Optional
Peripherals

MMS-21C Dimensions (Unit: mm)



BriteMED® MMS-21CA

A versatile medical monitor with multiple digital and analog inputs



* Stand is optional

Features

- Includes DVI-D, VGA, component, NTSC/PAL, S-Video inputs
- Built-in loop through technology for simultaneous display on different monitors
- DICOM/Gamma calibration for best image accuracy
- Optional display layout adjustment: picture-in-picture & picture-by-picture
- Satisfies different installation needs by VESA 75/100 mounting

Specifications

MMS-21CA	
Description	Non-touchscreen with VGA, DVI-D and analog inputs
Display	
LCD Size	21.5" (16:9)
Resolution	1920 (W) x 1080 (H) pixels
Brightness(max.)	250 nits (typical)
Contrast Ratio	5000:1 (typical)
View Angle (H/V)	178°/178° (typical)
General	
Color Temperature	Factory calibrated 3600K, 4500K, 5500K, 6500K, 7500K, USER
Gamma Correction	Factory calibrated gamma 2.0 & DICOM
Power Requirement	Medical grade power adaptor: 100~240V AC 1.0-0.6A 50~60Hz, 12V DC 2.5A
Function Keys	1 x OSD rotary knob 1 x Input source quick selection 1 x Monitor Sleep
Dimensions (L x W x H)	530.3 x 325 x 53mm
Weight	6.2kg
Operating Temperature	0°C~40°C
Storage Temperature	-20°C ~60°C
Medical Certifications	AAMI ES 60601-1 and EN 60601-1
Input	
VGA (DB-15)	1
DVI-D	1
Component	BNC x 1 (Y/Pb/Pr, R/Gs/B, R/G/B/C-Sync, R/G/B/H-Sync/V-Sync)
CVBS	BNC x 1 (NTSC, PAL)
S-Video	1
Audio	Phone jack x 1
Output	
Component	BNC x 1, loop through(Y/Pb/Pr, R/Gs/B, R/G/B/C-Sync, R/G/B/H-Sync/V-Sync)
CVBS	BNC x 1, loop through (NTSC, PAL)
S-Video	1, loop through
Audio	2W x 2
Optional Interfaces	
HDMI 1.4	Input: HDMI 1.4 x 1, Output: HDMI 1.4 x 1 (loop through)
3G-SDI	Input: 3G-SDI x 1, Output: 3G-SDI x 1 (loop through)
Package Content	
Package Content	• Monitor x 1 • Power Adapter x 1 • VGA Cable x 1

1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

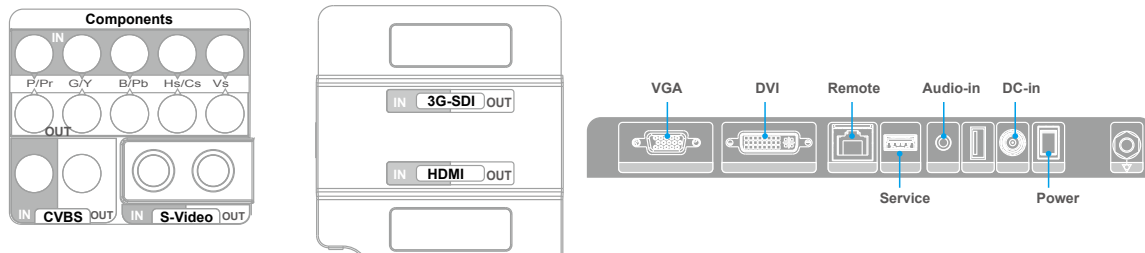
Ordering Information

Part No.	Description
MMS-21CA-R10	21.5" 1920 x 1080 color monitor, VGA/DVI-D/Component/CVBS/S-Video input, 100~240 VAC to 12V DC power adaptor

Options

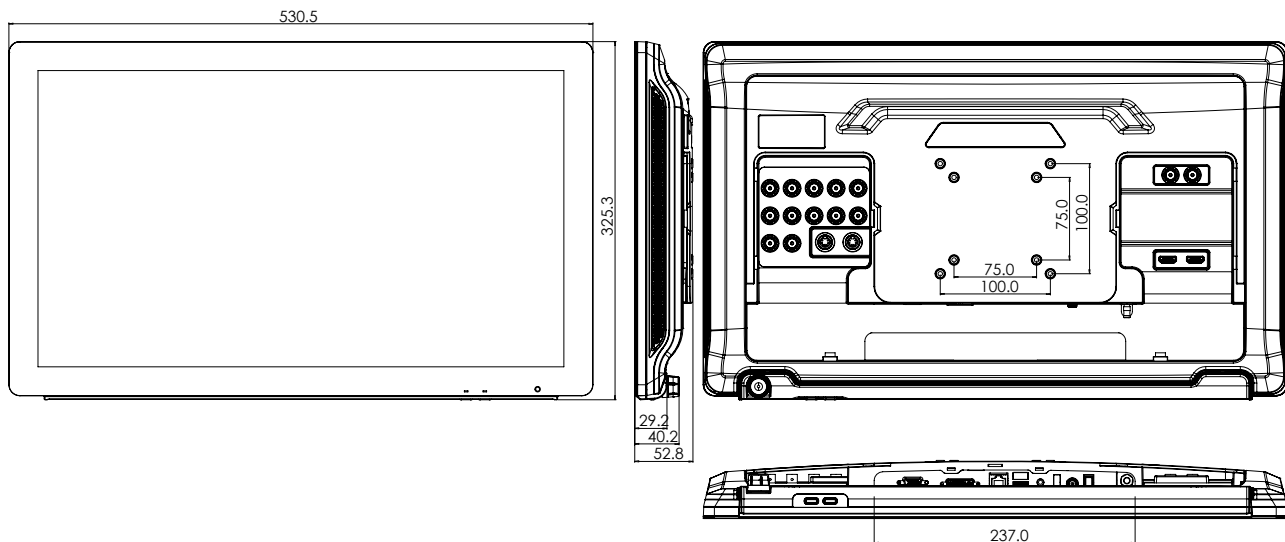
Part No.	Description
MMSO-3GSDI-R10	3GSDI input & loop-through add-on module
MMSO-HDMI-R10	HDMI 1.4 input & loop-through add-on module

Signal Interface



* SDI and HDMI connectors are optional interfaces.

MMS-21CA Dimensions (Unit: mm)



1

IEIMobile
Solutions

2

Automation
Panel
Solutions

3

Healthcare
Panel PC
Solution

4

Industrial
System

5

ORing
Network
Communication

6

Automation
Control

7

Optional
Peripherals

BriteMED® MMS-21CT

A full-HD LCD monitor with touch screen



* Stand is optional

Features

- Built-in projected capacitive touchscreen for quick patient record input
- Full-HD LCD panel in high resolution/contrast ratio and wide viewing angle
- DICOM/Gamma calibration for best image accuracy
- Easy-disinfection panel for hygienic purpose
- Optional display layout adjustment: picture-in-picture & picture-by-picture

Specifications

MMS-21CT	
Description	Touchscreen with VGA and DVI-D inputs
Display	
LCD Size	21.5" (16:9)
Resolution	1920 (W) x 1080 (H) pixels
Brightness(max.)	250 nits (typical)
Contrast Ratio	5000:1 (typical)
View Angle (H/V)	178°/178° (typical)
General	
Color Temperature	Factory calibrated 3600K, 4500K, 5500K, 6500K, 7500K, USER
Gamma Correction	Factory calibrated gamma 2.0 & DICOM
Power Requirement	Medical grade power adaptor:100~240V AC 1.0-0.6A 50~60Hz, 12V DC 2.5A
Touch Screen	Projected capacitive touchscreen (USB interface)
Function Keys	1 x OSD rotary knob 1 x Input source quick selection 1 x Monitor Sleep
Dimensions (Lx W x H)	530.3 x 325 x 53mm
Weight	6.2kg
Operating Temperature	0°C~40°C
Storage Temperature	-20°C ~60°C
Medical Certifications	AAMI ES 60601-1 and EN 60601-1
Input	
VGA (DB-15)	1
DVI-D	1
Audio	Phone jack x 1
Output	
Audio	2W x 2
Optional Interfaces	
HDMI 1.4	Input: HDMI 1.4 x 1, Output: HDMI 1.4 x 1 (loop through)
3G-SDI	Input: 3G-SDI x 1, Output: 3G-SDI x 1 (loop through)
Package Content	
Package Content	<ul style="list-style-type: none"> • Monitor x 1 • Power Adapter x 1 • VGA Cable x 1 • USB Cable x 1

1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

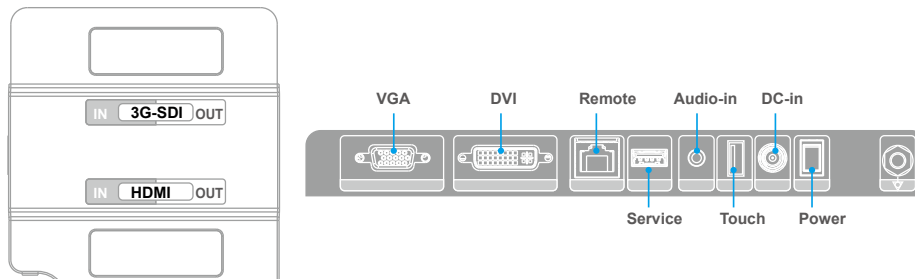
Ordering Information

Part No.	Description
MMS-21CT-R10	21.5" 1920x1080 color monitor, VGA/DVI-D input, P-CAP Touchscreen, 100~240 VAC to 12V DC power adaptor
MMS-21CTH-R10	21.5" 1920x1080 color monitor, VGA/DVI-D/HDMI input, P-CAP Touchscreen, 100~240 VAC to 12V DC power adaptor

Options

Part No.	Description
MMSO-3GSDI-R10	3GSDI input & loop-through add-on module
MMSO-HDMI-R10	HDMI 1.4 input & loop-through add-on module

Signal Interface



* SDI and HDMI connectors are optional interfaces.

1

IEI Mobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

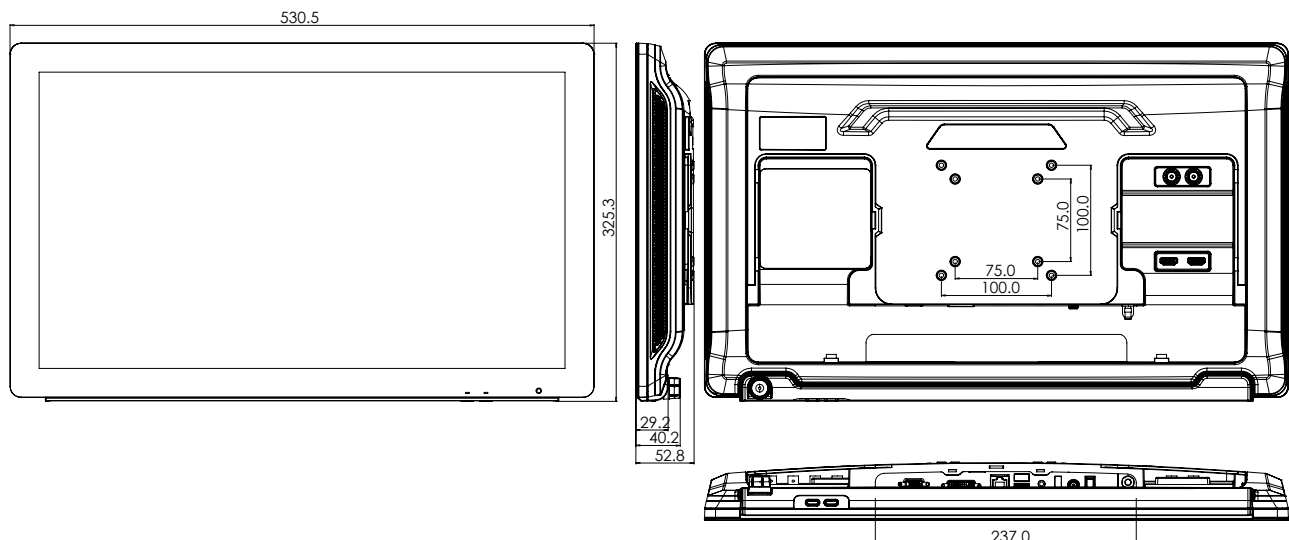
6

Automation Control

7

Optional Peripherals

MMS-21CA Dimensions (Unit: mm)



MBM Series

The MBM series medical battery systems are designed with normal rapid charging modes which can be automatically switched according to the usage conditions. Over charging, over discharging, short-circuit protections are also designed to ensure the maximum safety. Selected models are compliant with AAMI ES60601-1, EN 60601-1 and UN 38.3 standards. The external LED indicator provides the most flexible and convenient way to monitor the capacity and charging status of the battery system.



Model	MBM-L180	MBM-L220*	MBM-L450*
Description	Economical battery system	Light yet reliable battery system	Robust battery system
Battery Type	Lithium iron phosphate (LiFePO4)	Li-ion	Li-ion
Capacity	180 Wh	220 Wh	450 Wh
Lifetime	2000 cycles (at 80% depth of discharge)	2000 cycles (at 60% depth of discharge)	2000 cycles (at 60% depth of discharge)
Charging Time (at 100% depth of discharge without loading)	1.8hrs	2 hrs	2.7 hrs
Working Time (may vary by PC power consumption)	4 hrs (at least)	6-7 hrs (at least)	13-14 hrs (at least)
Charging Voltage	N/A (internal charger)		
Input Voltage	100~240V AC, 50-60Hz		
Power Connector	12VDC / Max.8.3A	Output-1: 12VDC/ Max.10A Output-2: Selectable 24,19VDC/ Max.5.2A Output-3: 5VDC (USB power)/ Max.2A	Output-1: 12VDC/ Max.10A Output-2: Selectable 24, 19VDC/ Max.5.2A Output-3: 5VDC (USB power)/ Max.2A
Output Connector	DC plug 5.5/2.5	Output 1 & 2: Molex 5557	Output 1 & 2: Molex 5557
Power Adapter	N/A (internal charger)		
Dimensions (L x W x H)	290 x 220 x 82 mm	225 x 210 x 84 mm	225 x 210 x 84 mm
Weight	6.5kg	3kg	4.5kg
Operating Temperature	0°C~35°C	-5°C~45°C	-5°C~45°C
Cooling System	Fanless		
Certifications	Battery cell: UL-1642 & IEC-62133 Power module: EN-60950, CE-LVD, FCC, PSE	Medical safety: AAMI ES60601-1 & EN 60601-1 Medical EMC: EN 60601-1-2 Lithium battery cell safety: UL 1642 & IEC 62133 Lithium battery transport standard: UN38.3	
Package Content	<ul style="list-style-type: none"> Battery x 1 Remote user interface (RUI) unit with 2m cable and switch module x 1 2.3m DC power output cable, round type power DIN (4-pin) x 1 1.8m AC power cord (US type) x 1 Mounting bracket x 2 	TBD	

* MBM-L220 & MBM-L450 are developing products and specifications may change. For the market launch time, please consult with your sales representative.

1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

MBM-L180

180Wh economical battery system with LED indicators to monitor battery capacity



Features

- AC power input
- Safe and long-lasting by LiFePO4
- Flat design for easy integration to the medical cart
- Low battery alarm by remote user interface unit
- Quick battery capacity monitoring on LED indicators

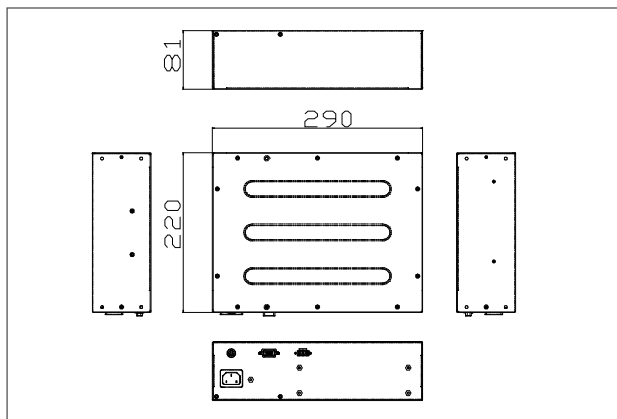


Battery Monitoring System

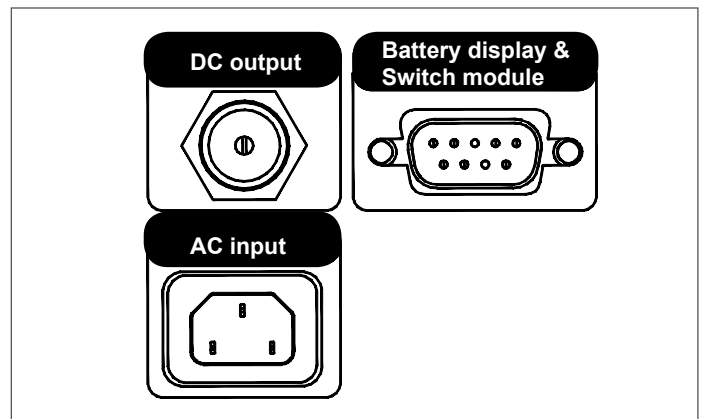
Specifications

Model	MBM-L180
Description	Economical battery system
Battery Type	Lithium iron phosphate (LiFePO4)
Capacity	180 Wh
Lifetime	2000 cycles (at 80% depth of discharge)
Charging Time (at 100% depth of discharge without loading)	1.8hrs
Working Time (may vary by PC power consumption)	4 hrs (at least)
Charging Voltage	N/A (internal charger)
Input Voltage	100~240V AC, 50~60Hz
Output Voltage	12VDC / Max.8.3A
Output Connector	DC plug 5.5/2.5
Power Adapter	N/A (Internal charger)
Dimensions (Lx W x H)	290 x 220 x 82 mm
Weight	6.5kg
Operating Temperature	0°C~35°C
Cooling System	Fanless
Certifications	Battery cell: UL-1642 & IEC-62133 Power module: EN-60950, CE-LVD, FCC, PSE
Package Content	<ul style="list-style-type: none"> • Battery x 1 • Remote user interface (RUI) unit with 2m cable and switch module x 1 • 2.3m DC power output cable, round type power DIN (4-pin) x 1 • 1.8m AC power cord (US type) x 1 • Mounting bracket x 2

Dimensions (unit: mm)



IO Interface



Ordering Information

Part No.	Description
MBM-L180-R10	180Wh battery module, input 100~240V AC, output 12V DC

1

IEI Mobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

MBM-L220

220Wh light yet reliable battery system with LED indicators to monitor battery capacity



Features

- Long battery life
- High capacity
- Battery capacity monitoring system
- Assurance of medical safety standards
- Multi-output DC voltage

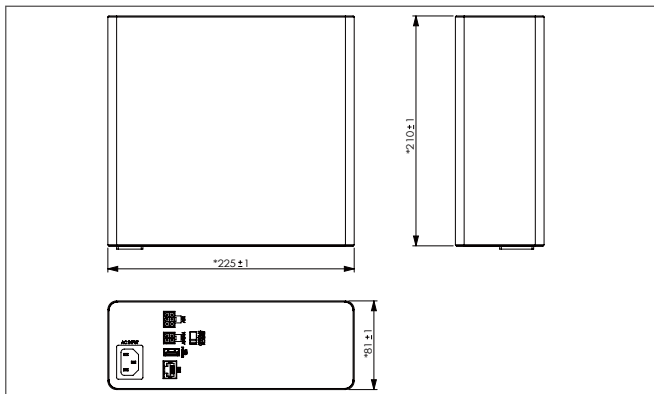


Battery Monitoring System

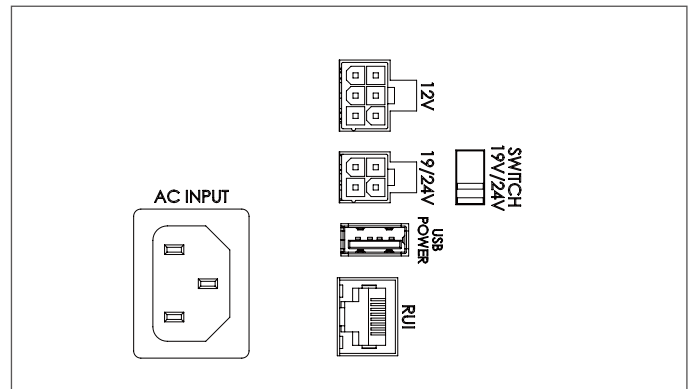
Specifications

Model	MBM-L220
Battery Type	Li-ion
Dimensions (L x W x H) (mm)	225 x 210 x 84
Weight	3Kg
Capacity	220 WH
Lifetime	2000 cycles at 60% depth of discharge
Usage Time	Estimated 6-7 hrs or more (Based on PC power consumption)
Charging Status Indicators	LEDs with continuous readout
Charging Time	2 hrs at 100% depth of discharge without loading
Charging Voltage	AC input
Output Voltage/ Current/ Power Consumption	Output-1: 12VDC/ Max.10A/ 120W Output-2: Selectable 24VDC,19VDC/Max.5.2A/100W Output-3: 5VDC (USB power)/ Max.2A/ 11W
Power Adapter	N/A (Internal charger)
Input Voltage	100~240V AC, 50-60Hz
Input Connector	C-14 power D type
Output Connector	Output 1 & 2: Molex 5557 8pin (12 VDC, switch 19VDC or 24VDC) Output 3: USB Type A (5VDC) RUI: RJ45
Operating Temperature	-5°C~45°C
Storage Temperature	25°C~30°C
Transportation Temperature	<38 °C
Cooling System	Fanless

Dimensions (unit: mm)



IO Interface



Ordering Information

Part No.	Description
MBM-L220-R10	Medical Grade Battery Module , Li-ion, 220Wh battery module, input 100~240V AC, output1: 12V DC, output2: selectable 24, 19V DC, output 3: 5V DC

1

IEIMobile
Solutions

2

Automation
Panel
Solutions

3

Healthcare
Panel PC
Solution

4

Industrial
System

5

ORing
Network
Communication

6

Automation
Control

7

Optional
Peripherals

MBM-L450

450Wh robust battery system with LED indicators to monitor battery capacity



Features

- Long battery life
- High capacity
- Battery capacity monitoring system
- Assurance of medical safety standards
- Multi-output DC voltage



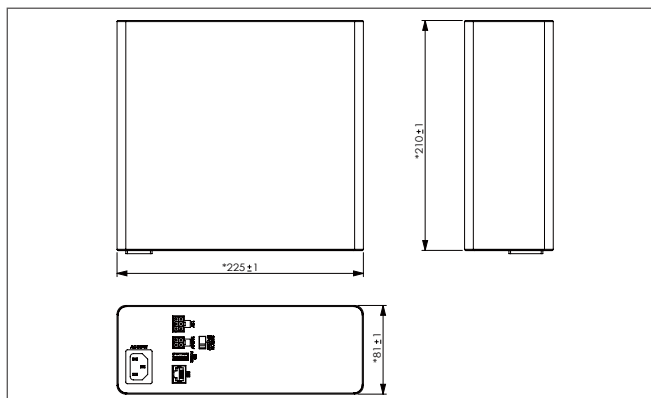
Specifications

Battery Monitoring System

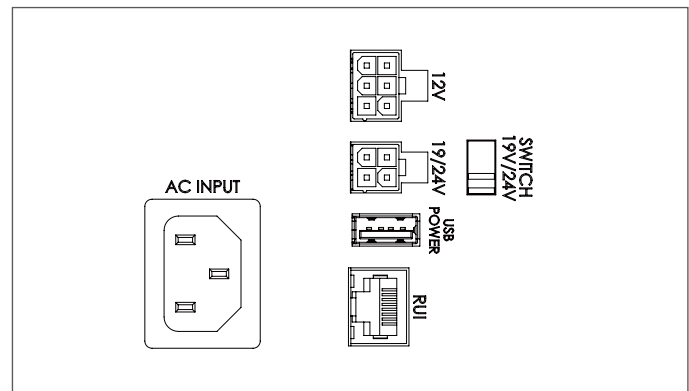


Model	MBM-L450
Battery Type	Li-ion
Dimensions (L x W x H) (mm)	225 x 210 x 84
Weight	4.5Kg
Capacity	450WH
Lifetime	2000 cycles at 60% depth of discharge
Usage Time (different from lifetime?)	Estimated 13-15 hrs or more (Based on PC power consumption)
Charging Status Indicators	LEDs with continuous readout
Charging Time	2.7 hrs at 100% depth of discharge without loading
Charging Voltage	AC input
Output Voltage/ Current/ Power Consumption	Output-1: 12VDC/ Max.10A/ 120W Output-2: Selectable 24VDC, 19VDC/ Max.5.2A/ 100W Output-3: 5VDC (USB power)/ Max.2A/ 11W
Power Adapter	180W AC 100~240V
Input Voltage	AC 100~240V
Input Connector	C-14 power D type
Output Connector	Output 1 & 2: Molex 5557 8pin (12 VDC, switch 19VDC or 24VDC) Output 3: USB Type A (5VDC) RUI: RJ45
Operating Temperature	-5°C~45°C
Storage temperature	25°C~30°C
Transportation Temperature	<38 °C
Cooling System	Fanless

Dimensions (unit: mm)



IO Interface



Ordering Information

Part No.	Description
MBM-L220-R10	Medical Grade Battery Module , Li-ion, 220Wh battery module, input 100~240V AC, output1: 12V DC, output2: selectable 24, 19V DC, output 3: 5V DC

Medical Cart

A wide range of medication and documentation carts that perform mobile workstation purpose to meet various workflow requirements. The BriteMED® medical carts are designed with aluminum-alloy structure and each metal sheet is connected by electro-welding instead of screw, ensuring the strength and safety when moving around in the hospital. Integrated with the optional panel PCs and batteries, it provides a total solution for mobile health applications



pCART-N1/N2



pCART-N3



pCART-D1

Model		pCART-N1	pCART-N2	pCART-N3	pCART-D1
Description		Ergonomic for medication use with front drawers.	Robust for medication use with front and rear drawers.	Compact for documentation use with front drawers.	Slim and economical for documentation use in limited space.
Size (L x W x H)		54 x 68 x 101cm (±1cm)	54 x 68 x 101cm (±1cm)	51 x 46 x 94cm (±1cm)	52 x 54 x 150cm (±1cm)
Structure		Aluminum-alloy			
Working Table (ABS surface)	Dimensions (L x W)	45 x 39cm			54 x 45cm
Side Table (ABS surface)	Loading weight (max.)	8 kg			N/A
Supported Arm (VESA 75/100)	Loading weight (max.)	12kg			10kg
Standard Drawer Configuration: * Drawers are metallic and powder coated, including stainless steel slippery track and drawer lock.	3" keyboard drawer	1	1	1	1
	3" drawer	1	1	2	N/A
	3" medication drawer	2	4 (2 front & 2 rear)	N/A	N/A
	6" drawer	1	1	1	N/A
	9" drawer	1	1	1	N/A
3"/6"/9" Customized Drawer Combination		N1/N2: Total height 27", N3: Total height 24"			N/A
Mouse Holder		N/A			1
Document Basket		N/A			1
Barcode Reader Holder		N/A			1
Wheels (4 dust-proof wheels with 2 in brake function)	Size	5"	5"	4"	4"
Optional Battery Module		MBM-L180/ L220/L450		MBM-L180/ L220	MBM-L180/ L220/L450

1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

BriteMED® pCART-N1

Ergonomic medical cart for medication purpose with front drawers

BriteMED® pCART-N2

Robust medical cart for medication purpose with front and rear drawers



pCART-N1/N2

Features

- Customized colors and patterns for selection
- Powder coated surface facilitates clean and sterilization purpose
- VESA 75/100 arm enables quick adjustment for ideal viewing position
- Concave desktop design and scratch-resistance surface increase the durability
- Battery-integrated cart with LED indicators for capacity monitoring

1

IEI Mobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

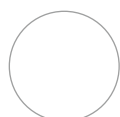
Optional Peripherals

Specifications

Model		pCART-N1	pCART-N2
Description		Ergonomic for medication use with front drawers.	Robust for medication use with front and rear drawers.
Size (L x W x H)		54 x 68 x 101cm (±1cm)	54 x 68 x 101cm (±1cm)
Structure		Aluminum-alloy	
Working Table (ABS surface)	Dimensions (L x W)	45 x 59cm	
Side Table (ABS surface)	Loading weight (max.)	8 kg	
Supported Arm (VESA 75/100)	Loading weight (max.)	12kg	
Standard Drawer Configuration: * Drawers are metallic and powder coated, including stainless steel slippery track and drawer lock.	3" keyboard drawer	1	1
	3" drawer	1	1
	3" medication drawer	2	4 (2 front & 2 rear)
	6" drawer	1	1
	9" drawer	1	1
Customized Drawer Selection		Total height 27", freely combining 3",6",9" drawers	
Mouse Holder		N/A	
Document Basket		N/A	
Barcode Reader Holder		N/A	
Wheels (4 dust-proof wheels with 2 in brake function)	Size	5"	5"
Optional Battery Module		MBM-L180/ L220/L450	MBM-L180/ L220/L450

Customization

To satisfy the need of each project, we provide various patterns and colors to choose. The optional panel PCs, battery systems and other accessories, such as waste bins, sharps containers, side shelves and drawer dividers can also be incorporated to ensure maximum flexibility for your workflow requests.



White



Cream



Light Blue



Blush Pink



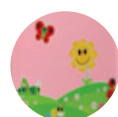
Fresh Green



Lavender



Bright Orange



Children Edition

Ordering Information

Part No.	Description
PCART-N1-PL1-R1	Pink color with 3" keyboard drawer x1, 3" drawer x1, 3"medicine bins drawer x2 & bin x10 , 6"drawer x1, 9" drawer x1, VESA 75/100 arm, MBM-L180 battery module
PCART-N1-PL2-R1	Pink color with 3" keyboard drawer x1, 3" drawer x1, 3"medicine bins drawer x2 & bin x10 , 6"drawer x1, 9" drawer x1, VESA 75/100 arm, MBM-L220 battery module
PCART-N1-PL4-R1	Pink color with 3" keyboard drawer x1, 3" drawer x1, 3"medicine bins drawer x2 & bin x10 , 6"drawer x1, 9" drawer x1, VESA 75/100 arm, MBM-L450 battery module
PCART-N2-PL1-R1	Pink color with 3" keyboard drawer x1, 3" drawer x1, 3"medicine bins drawer x4 (2 front & 2 rear) & bin x20 , 6"drawer x1, 9" drawer x1, VESA 75/100 arm, MBM-L180 battery module
PCART-N2-PL2-R1	Pink color with 3" keyboard drawer x1, 3" drawer x1, 3"medicine bins drawer x4 (2 front & 2 rear) & bin x20 , 6"drawer x1, 9" drawer x1, VESA 75/100 arm, MBM-L220 battery module
PCART-N2-PL4-R1	Pink color with 3" keyboard drawer x1, 3" drawer x1, 3"medicine bins drawer x4 (2 front & 2 rear) & bin x20 , 6"drawer x1, 9" drawer x1, VESA 75/100 arm, MBM-L450 battery module

Options

	Part No.	Description
	PCA-VBH-R1	Bottle holder(31x11x8cm) with side rail
	PCA-VMS-R1	Multi-storage holder(33x13x18cm) with side rail
	PCA-VGD-R1	Glove dispenser holder(26x8x13cm) with side rail
	PCA-VCH-R1	Catheter holder (10x10x48cm) with side rail
	PCA-VIV-R1	IV pole
	PCA-VSC-3L-R1	Sharps container(yellow 3L x1) with holder(18x12x11cm) & side rail

	Part No.	Description
	PCA-VSC-R1	Sharps container (red 1.7L x1) with holder (12x12x9cm) & side rail
	PCA-VSB-R1	Metal waste bin(10L x2) (40x17x34cm)
	PCA-VWC-R1	Plastic waste bin with lid(9L x1) & holder(26x15x18cm) & side rail
	PCA-DPFD3-R1	3" fixed divider set (short x3 & fixed x3 & strip x2)
	PCA-DPFD6-R1	6" fixed divider set (short x2 & fixed x2 & strip x2)
	PCA-DMB-R1	3" medicine bin (232x113x75mm)

1

IEIMobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

Automation Control

7

Optional Peripherals

BriteMED® pCART-N3

Ergonomic medical cart for medication purpose with front drawers

**Features**

- Locked drawer ensures the safety of all properties
- Powder coated surface facilitates clean and sterilization purpose
- VESA 75/100 arm enables quick adjustment for ideal viewing position
- Enhanced strength with aluminum-alloy structure and electro-welding metal sheet
- Battery-integrated cart with LED indicators for capacity monitoring

Specifications

Model		pCART-N3
Description		Compact for documentation use with front drawers.
Size (L x W x H)		51 x 46 x 94cm (±1cm)
Structure		Aluminum-alloy
Working Table (ABS surface)	Dimensions (L x W)	45 x 39cm
Side Table (ABS surface)	Loading weight (max.)	8 kg
Supported Arm (VESA 75/100)	Loading weight (max.)	12kg
Standard Drawer Configuration: * Drawers are metallic and powder coated, including stainless steel slippery track and drawer lock.	3" keyboard drawer	1
	3" drawer	2
	3" medication drawer	N/A
	6" drawer	1
	9" drawer	1
Customized Drawer Selection		Total height 24", freely combining 3", 6", 9" drawers
Wheels (4 dust-proof wheels with 2 in brake function)	Size	4"
Optional Battery Module		MBM-L180/ L220

1

IEI Mobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

6

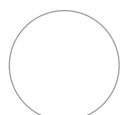
Automation Control

7

Optional Peripherals

Customization

To satisfy the need of each project, we provide various patterns and colors to choose. The optional panel PCs, battery systems and other accessories, such as waste bins, sharps containers, side shelves and drawer dividers can also be incorporated to ensure maximum flexibility for your workflow requests.



White



Cream



Light Blue



Blush Pink



Fresh Green



Lavender



Bright Orange



Children Edition

Ordering Information

Part No.	Description
PCART-N3-PL1-R1	Pink color with 3" keyboard drawer x1, 3" drawers x2, 6" drawer x1, 9" drawer x1, VESA 75/100 arm, MBM-L180 battery module
PCART-N3-PL2-R1	Pink color with 3" keyboard drawer x1, 3" drawers x2, 6" drawer x1, 9" drawer x1, VESA 75/100 arm, MBM-L220 battery module

Options

	Part No.	Description
	PCA-VBH-R1	Bottle holder(31x11x8cm) with side rail
	PCA-VMS-R1	Multi-storage holder(33x13x18cm) with side rail
	PCA-VGD-R1	Glove dispenser holder(26x8x13cm) with side rail
	PCA-VCH-R1	Catheter holder (10x10x48cm) with side rail
	PCA-VIV-R1	IV pole
	PCA-VSC-3L-R1	Sharps container(yellow 3L x1) with holder(18x12x11cm) & side rail

	Part No.	Description
	PCA-VSC-R1	Sharps container (red 1.7L x1) with holder (12x12x9cm) & side rail
	PCA-VSB-R1	Metal waste bin(10L x2) (40x17x34cm)
	PCA-VWC-R1	Plastic waste bin with lid(9L x1) & holder(26x15x18cm) & side rail
	PCA-DPFD3-R1	3" fixed divider set (short x3 & fixed x3 & strip x2)
	PCA-DPFD6-R1	6" fixed divider set (short x2 & fixed x2 & strip x2)
	PCA-DMB-R1	3" medicine bin (232x113x75mm)

1

IEIMobile
Solutions

2

Automation
Panel
Solutions

3

Healthcare
Panel PC
Solution

4

Industrial
System

5

ORing
Network
Communication

6

Automation
Control

7

Optional
Peripherals

BriteMED® pCART-D1

Slim and compact medical trolley for documentation purpose

**Features**

- Dust-proof wheels and easy-to-clean surface
- Enhanced usability by included basket and device holder
- Easy adjustment of table height by air-pressure spring design
- Flexible to integrate panel PC and battery for e-medical solution
- VESA 75/100 arm enables quick adjustment for ideal viewing position

Specifications

Model		pCART-D1
Description		Slim and economical for documentation use in limited space.
Size (L x W x H)		52 x 54 x 150cm (±1cm)
Structure		Aluminum-alloy
Working Table (ABS surface)	Dimensions (L x W)	54 x 45cm
Supported Arm (VESA 75/100)	Loading weight (max.)	10kg
Standard Drawer Configuration: * Drawers are metallic and powder coated, including stainless steel slippery track and drawer lock.	3" keyboard drawer	1
Mouse Holder		1
Document Basket		1
Barcode Reader Holder		1
Wheels (4 dust-proof wheels with 2 in brake function)	Size	4"
Optional Battery Module		MBM-L180/ L220/L450

1

IEI Mobile Solutions

2

Automation Panel Solutions

3

Healthcare Panel PC Solution

4

Industrial System

5

ORing Network Communication

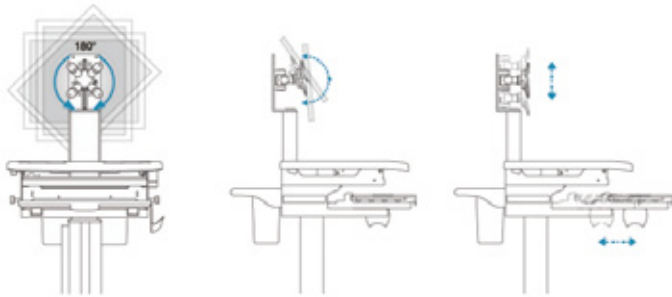
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Automation Control

7

Optional Peripherals

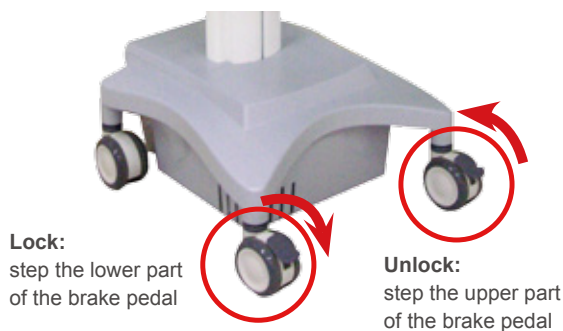
Flexible and Solid Computer Arm



Height Adjustable Table



Smooth Movement & Wheels with Brake Plate



Easy to Remove




Ordering Information

Part No.	Description
PCART-D1-WL1-R1	White color with height adjustable desktop 90~120cm, keyboard tray, mouse holder, 4" casters, VESA 75/100 arm, MBM-L180 battery module
PCART-D1-WL2-R1	White color with height adjustable desktop 90~120cm, keyboard tray, mouse holder, 4" casters, VESA 75/100 arm, MBM-L220 battery module
PCART-D1-WL4-R1	White color with height adjustable desktop 90~120cm, keyboard tray, mouse holder, 4" casters, VESA 75/100 arm, MBM-L450 battery module
PCART-D1-W00-R1	White color with height adjustable desktop 90~120cm, keyboard tray, mouse holder, 4" casters, VESA 75/100 arm, reserved space for battery (battery is not included)

Options

	Part No.	Description
	PCA-HCA-001-R1	3" height drawer with lock, 27x44cm

	Part No.	Description
	PCA-HCA-002-R1	Desktop PC holder with belt, 25x15x60cm

1

IEIMobile
Solutions

2

Automation
Panel
Solutions

3

Healthcare
Panel PC
Solution

4

Industrial
System

5

ORing
Network
Communication

6

Automation
Control

7

Optional
Peripherals