

# Medical Panel PC

**New**

## POC-W22A-H81

21.5" Medical Grade Panel PC

### Features

- W21.5" 16:9 LED panel with FHD (1920 x 1080)
- 4th generation Intel® Core™ i5/i3/Pentium® CPU
- Projected capacitive touch screen 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

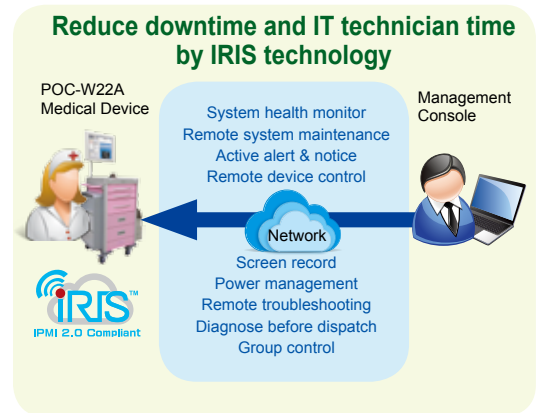
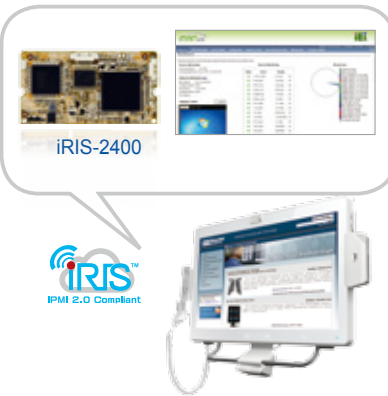


### Specifications

Model		POC-W22A-H81	
LCD Specifications	LCD Display	W21.5" (16:9)	
	Max Resolution	1920 (W) x 1080 (H)	
	Brightness (cd/m <sup>2</sup> )	250	
	Contrast Ratio	1000 : 1	
	LCD Color	16.7M	
	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	4th generation Intel® Core™ i5/i3/Pentium® 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	1 x HDMI output
		2 x GbE LAN by RJ-45 (1 for iRIS)	1 x 9V~28V DC Jack
		1 x Power button	2 x USB 3.0
		1 x VGA output	4 x USB 2.0 (2 for bottom and 2 for side)
	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	Combinations:
		1 x Brightness up	1 x Lock/Unlock OSD
		1 x Brightness down	1 x Power on/off
		1 x Volume up	
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)		
Connectivity	Wireless	IEEE 802.11 a/b/g/n/ac 1T1R module	
	Construction Material	ABS+PC plastic with anti-bacterial material	
Physical	Mounting	VESA 100 x 100	
	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	9V~28V DC input	
	Power Adapter	120W medical power adapter: Input: 100V~240V AC, Output: 19V DC	

## IEI IRIS Technology Facilitates Remote Management

Point-of-Care terminals are typically scattered in many different locations throughout a hospital. IEI Remote Intelligent System (IRIS) is now offering advanced management capabilities based on IPMI 2.0. It provides POC-W22A devices with remote monitoring and management capabilities for critical managed items. It allows staffs to manage, monitor, and maintain the distributed POC-W22A terminals remotely irrespective of where they are located within the hospital.



## Integrated Healthcare Solutions and Clinical Information System

Nursing Cart



Bedside Terminal



Digital Display



### Healthcare Environment

#### Increase working efficiency

Medical staffs can get better working experience with bigger and lighter systems.

#### Improve data accuracy

With internet access and RFID peripherals, tracking data and patient record can be accessed correctly and identification security can also be provided.

## POC-W22A-H81 Main Features

### Handset Supported (Optional)

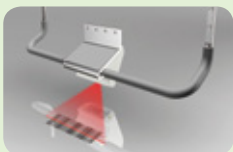
- VoIP phone
- USB interface

### Anti-bacterial Included

- Reduce the living bacteria on the surface
- Provide clean environment

### Handle Module Supported (Optional)

- Barcode scanner included
- Handle can be disassembled
- Reading light supported



### 2-megapixel Webcam with Privacy Cover



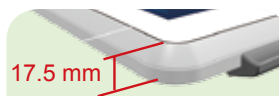
### 3-in-1 Combo Reader Supported (Optional)

- Magnetic Stripe Reader (MSR)
- Smart Card Reader (SCR)
- Fingerprint sensor



### Internal Battery Supported (Optional)

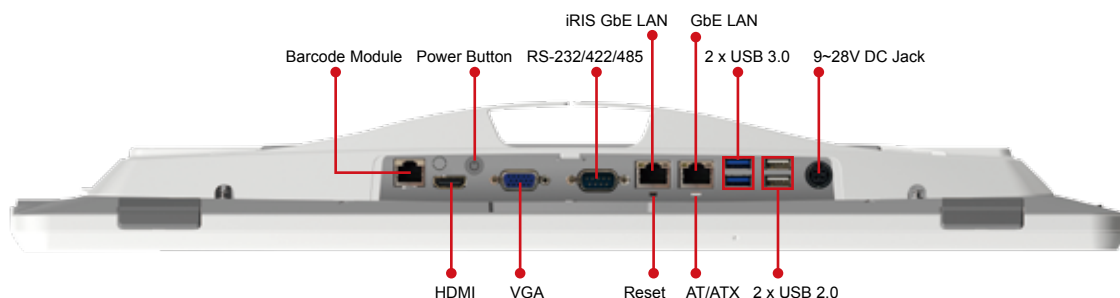
- 54W battery
- Support up to 30 min. battery backup
- With LED indicator



### Stylish Design

- Within 17.5 mm
- Flat-bezel

### Embedded RFID Reader (Optional)



## Six USB Supported

The new POC-W22A is outfitted with six USB ports for kinds of expansions. With the PPC installed on a medical cart, nurses can type patient information with the connected keyboard and mouse. A smart card reader can also be installed to identify correct ID.

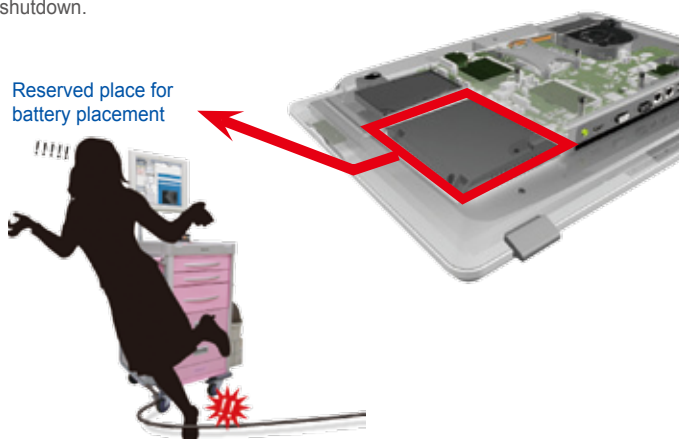


3-in-1 card reader module

2 x USB 2.0 / 2 x USB 3.0

## Prevent the Sudden Shutdown

The new POC-W22A can be installed with a 54W backup battery which can provide back-up power for up to 30 minutes in power failure. To prevent emergency situation, such as when the power adapter cable is accidentally unplugged, use our battery to provide continuous power in case of system shutdown.



Reserved place for battery placement

### 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; 14.8V; with LED indicator, IEI assembly only; RoHS
MEDP-EZS-R10	VESA 100 x 100 mm panel PC stand with the cable management hole, White
iRIS-2400-R10	IPMI 2.0 adapter card with AST2400 BMC chip for DDR3 SO-DIMM socket interface
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

### Ordering Information

Part No.	Description
POC-W22A-H81i-P/PC/4G-R11	21.5" 250cd/m <sup>2</sup> 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 <sup>2</sup> 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 <sup>2</sup> 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

### POC-W22A-H81 Dimensions (Unit: mm)

