Preliminary

# Medical Panel PC

## 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























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



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.









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.







# Specifications

CDD Display		Model	POC-17C-ULT3
		LCD Display	17" (5:4)
Content Ratio		Max Resolution	1280 (W) x 1024 (H)
		Brightness (cd/m²)	350
		Contrast Ratio	1000:1
	LCD Specifications	LCD Color	16.7M colors (RGB 6-bit)
Rankight MTBE (mix)		Pixel Pitch (mm)	0.264 (H) x 0.264 (V)
Touchscreen		Viewing Angle (H-V)	170°(H) / 160°(V)
Touch Controller		Backlight MTBF (hrs)	30000 (LED backlight)
Surface Hardness		Touchscreen	Projected capacitive type with USB interface
CPU Support	Touch	Touch Controller	ILITEK
RAM		Surface Hardness	6H
No.		CPU Support	Intel® Skylake-ULT platform Core™ i5-6300U and Celeron® 3955U
Month   Mont		RAM	Two 260-pin 2133/1866 MHz dual-channel DDR4 non-ECC unbuffered SO-DIMMs (system max. 32GB)
Storage	System	I/O Port	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
Webcam & Microphone         2-megapixel CMOS front-facing camera with auto-focus and digital microphone           Expansion Interface         1 x PCle Mini reserved           LED Indicator         RFID indicator LED           Wiffare RFID         Optional: Miffaire 13.56 MHz card reader           Wiffaire RFID         Optional: Miffaire 13.56 MHz card reader           Invalidations: 1 x Displayment of the properties of the		Storage	
Expansion Interface 1 x PCIe Mini reserved  LED Indicator RFID indicator LED  Miffer RFID Optional: Miffare 13.56 MHz card reader  1 x LCD onceff 1 x LCD onceff 1 x Dirightness down 1 x Volume up 1 x Volume down 1 x Volume		Audio	2 x 2W speaker
LED Indicator   RFID indicator LED		Webcam & Microphone	2-megapixel CMOS front-facing camera with auto-focus and digital microphone
Other Features         Miffare RFID         Optional: Miffare 13.56 MHz card reader           Other Features         1 x LCD on/off 1 x Brightness up 1 x Singhtness up 1 x Volume up 1 x Volume up 1 x Volume up 1 x Volume down 1 x Touch lock button for cleaning           Combinations: Light Sensor         Ambient light sensor for panel brightness adjustment           Cooling Method         Fan-less           Connectivity         Wi-Fi and Bluetooth         IEEE 802.11 arb/gin/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           Dimensions (WxHxD) (mm)         435 x 376 x 64.5           Environment         Vibration         1G           Environment         Vibration         1G           Shock         Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration)           Power         Power Input         12V-28V DC input		Expansion Interface	1 x PCIe Mini reserved
Standard		LED Indicator	RFID indicator LED
Other Features     Function Key     1 x Brightness up 1 x Volume		Mifare RFID	Optional: Mifare 13.56 MHz card reader
Connectivity  Wi-Fi and Bluetooth  EEEE 802.11 a/b/g/n/ac 2T2R module with Bluetooth V4.1 (M.2 2230 A-E key module)  ABS+PC plastic with anti-bacterial material  Mounting  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  Operating Temperature  Operating Temperature  Storage Temperature  Fival to the first operation of the peak acceleration (11ms duration)  Non-Operating Shock: 5G peak acceleration (11ms duration)  Power  Power  Power Input  Power Input  Power Input  Power Input  ABS+PC plastic with anti-bacterial material	Other Features	Function Key	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
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)  ABS+PC plastic with anti-bacterial material  Mounting 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  Operating Temperature O°C~40°C Storage Temperature -20°C~60°C Humidity 10% to 95% (non-condensing)  Environment Vibration 1G Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration) Power  Power Input  Power Input  Power Input  12V~28V DC input		Light Sensor	Ambient light sensor for panel brightness adjustment
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  Operating Temperature  O°C~40°C  Storage Temperature  Storage Temperature  10% to 95% (non-condensing)  Vibration  1G  Shock  Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration)  Non-Operating Shock: 15G peak acceleration (11ms duration)  Power  Power Input  Power Input		Cooling Method	Fan-less
Physical     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       Agrating 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	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  Net Weight Dimensions (WxHxD) (mm) A35 x 376 x 64.5  Operating Temperature Storage Temperature Core-40°C Humidity 10% to 95% (non-condensing)  Environment Vibration Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration) IP Level Power  Power Input  Power Input  12V~28V DC input		Construction Material	ABS+PC plastic with anti-bacterial material
Net Weight 5.8 Kg  Dimensions (WxHxD) (mm) 435 x 376 x 64.5  Operating Temperature 0°C~40°C  Storage Temperature -20°C~60°C  Humidity 10% to 95% (non-condensing)  Environment 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 Input  Power Input  Power Input  12V~28V DC input	Physical	Mounting	Wall, Stand and Arm VESA 100mm x 100mm / 75mm x 75mm
Power  Operating Temperature  Operating Shock: 10% to 95% (non-condensing)  10% to 95% (non-condensing)  10% to 95% (non-condensing)  Operating Shock: 5G peak acceleration (11ms duration)  Non-Operating Shock: 15G peak acceleration (11ms duration)  IP Level  IP65 compliant front panel  Power Input  Power Input		Net Weight	5.8 Kg
Environment  Environment  Vibration  Shock  Non-Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration)  IP Level  Power Input  Power Input  Storage Temperature  -20°C~60°C  10% to 95% (non-condensing)  1G  Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration)  1P Level  1P65 compliant front panel		Dimensions (WxHxD) (mm)	435 x 376 x 64.5
Environment 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 Input 12V~28V DC input	Environment	Operating Temperature	0°C~40°C
Environment  Vibration  Shock  Shock  Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration)  IP Level  IP65 compliant front panel  Power Input  Power Input  12V~28V DC input		Storage Temperature	-20°C~60°C
Shock Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration)  IP Level IP65 compliant front panel  Power Input 12V~28V DC input		Humidity	10% to 95% (non-condensing)
Non-Operating Shock: 15G peak acceleration (11ms duration)  IP Level IP65 compliant front panel  Power Input 12V~28V DC input		Vibration	1G
Power Input 12V~28V DC input  Power Input 12V~28V DC input		Shock	
Power		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

## **Ordering Information**

Part No.	Description	
POC-17C-ULT3-C/PC/4G-R10	17" 350 cd/m² 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/m² 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	
POC-17C-ULT3-i7/PC/4G-R10	17" 350 cd/m² 1280 x 1024 panel PC with Intel® 14nm 6th generation mobile Core™ i7-6600U (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



