Mobile Point-of-Care Terminal

POCm-W22C-ULT3 | 22" Medical Panel PC with 6th Generation Intel® mobile ULT Core™ i7/i5/Celeron® processor

POCm-W24C-ULT3 | 24" Medical Panel PC with 6th Generation Intel® mobile ULT Core™ i7/i5/Celeron® processor

iF DESIGN AWARD 2019

Features

- 22" and 24" FHD fanless panel PC
- Intel® Celeron®, Core™ i5/i7 Skylake processor
- PCAP touch allows multi-touch, multi-layer gloves and water-on-screen operation
- Anti-bacteria housing with IP65 front bezel and IP32 rear cover protection
- Three hot-swappable batteries with a total runtime of 8 hours is ideal for non-powered medical carts

TAIWAN EXCELLENCE 2020

Intel® Skylake-U | **Fanless** | **RFID** | **Camera** | **HDMI** | **IP65** | **Multi-touch**

E-Window

» Key Features

3 hot-swappable batteries that can provide sufficient power, and the ergonomic side-facing design ease the use for nurses with different height. Compared to the LiFePO4 battery of the traditional nursing cart, the batteries installed on the POCm have better design by reducing more than 5 kilograms of weight. The battery docking station can perform fast charging, taking only 3.5 hours from 0 to 100%.

● Lightweight Design

Traditionally, the battery of working station is bulky and occupies space. The hot-swappable batteries makes POCm series an ideal medical cart computer for decreasing the total weight up to 5 kg.

LiFePO4 6.5kg! V.S **3 pcs Lithium-ion 1.38kg** — **5 kg reduction**
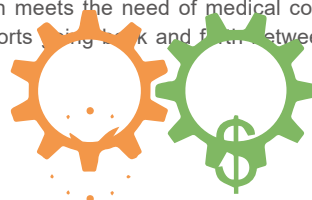
● Highly Integration

POCm series product is a highly integrated PPC. When building a mobile working station, the easy installation steps prevent you from facing the trouble of integrating different components and messy cabling.

● Cost Effective

The typical price range of nursing cart battery is more than USD 600 (after service included). Our anti-bacteria battery saves more than USD 400 cost. Charging dock design meets the need of medical context and relieves the waste of time and efforts going back and forth between nursing station and ward.

Specifications

	Model	POCm-W22C-ULT3	POCm-W24C-ULT3
LCD Specifications	LCD Display	21.5'' (16:9)	23.8"
	Max Resolution	1920 (W) x 1080 (H)	1920 (W) x 1080 (H)
	Brightness (cd/m²)	250	250
	Contrast Ratio	1000:1	1000:1
	LCD Color	16.7M colors (RGB 6-bit)	16.7M colors (RGB 6-bit)
	Pixel Pitch (mm)	0.24825 (H) x 0.24825 (V)	0.2745 (H) x 0.2745 (V)
	Viewing Angle (H-V)	170°/160°	178°(H) / 178°(V)
	Backlight MTBF (hrs)	30000 (LED backlight)	30000 (LED backlight)
Touch	Touchscreen	Projected capacitive type with 10-point multi-touch	
	Surface Hardness	6H	
System	CPU Support	6th Generation Intel® mobile ULT Core™ i7-6600U / Core™ i5-6300U and /Celeron® 3855U	
	RAM	Two 260-pin 2400/2133MHz dual-channel DDR4 SO-DIMM, 4GB pre-installed (system max. 32GB)	
	LAN Controller	1 x Intel® Ethernet Controller I219, 1 x Intel® Ethernet Controller I211	
	I/O Port	Bottom I/O 1 x DC Jack 2 x HDMI out 2 x GbE LAN port 2 x RS232/422/485 4 x USB 3.2 Gen 1 port Other 2 x USB 2.0 port (side) 1 x Audio out (side) + 1 x Mic in (side) 1 x Digital Mic (front, bottom)	
	Storage	1 x 2.5" Accessible SATA HDD bay 2 x 2280 M key (PCIe x 1/SATA) with RAID 1 x 1630/2230/3030 A/E key (PCIe x 1/USB 2.0)	
	Audio	2 x 3W Speaker	
	Webcam & Microphone	5-megapixel CMOS front-facing camera with auto-focus and digital microphone	
	Expansion Interface	1 x Full-size/half-size PCIe Mini (PCIe+USB)	
	LED Indicator	1 x RFID indicator 3 x Battery indicator (Color : Blue/Red) 1 x Power Indicator	
Other Features	Cooling Method	Fan-less	
Connectivity	Wi-Fi and Bluetooth	IEEE 802.11 a/b/g/n/ac 2T2R module with Bluetooth V4.2 M.2 2242 A/E key (PCIe x 1/USB 2.0)	
Physical	Construction Material	ABS+PC plastic with anti-bacterial material	
	Mounting	Wall, Stand and Arm VESA 75/100	
	Net Weight	7.07 kg without batteries 8.43 kg with 3 batteries	8.18 kg without batteries 9.53 kg with 3 batteries
	Dimensions (WxHxD) (mm)	543 x 350 x 71 mm	594.6 x 379.6 x 71 mm
Environment	Operating Temperature	0°C~40°C	
	Storage Temperature	-20°C~60°C	
	Humidity	10% to 90% (non-condensing)	
	Vibration	1G	
	Shock	Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 10G peak acceleration (11ms duration)	
	IP Level	Front: IP65, Back: IP32	
Power	Power Input	19V DC input	
	Power Adapter	150W medical power adapter	
	Battery	3 slots for Li-ion battery pack	
Certification		CE,FCC Class B Part18 IEC 60601-1:2005+AMD1:2012 (Edition 3.1) IEC 60601-1-2: 2014 (Edition 4.0)	

Ordering Information

Part No.	Description
POCm-W22C-ULT3-C/PC/4G-R11	21.5" 250cd/m² FHD medical panel PC with 6th generation 14nm Intel® mobile Celeron® 3855U (15W) 1.6GHz on-board processor (ULT),one 4GB DDR4 RAM,802.11a/b/g/n/ac Wi-Fi module,PCAP touchscreen,5-megapixel camera,microphone,w/o battery, R11
POCm-W22C-ULT3-i5/PC/4G-R11	21.5" 250cd/m² FHD medical panel PC with 6th generation 14nm Intel® mobile Core™i5-6300U (15W) 2.4GHz on-board processor (ULT),one 4GB DDR4 RAM,802.11a/b/g/n/ac Wi-Fi module,PCAP touchscreen,5-megapixel camera,microphone,w/o battery, R11
POCm-W22C-ULT3-i7/PC/4G-R11	21.5" 250cd/m² FHD medical panel PC with 6th generation 14nm Intel® mobile Core™i7-6600U (15W) 2.6GHz on-board processor (ULT),one 4GB DDR4 RAM,802.11a/b/g/n/ac Wi-Fi module,PCAP touchscreen,5-megapixel camera,microphone,w/o battery, R11
POCm-W24C-ULT3-C/PC/4G-R10	24" 250cd/m² FHD medical panel PC with 6th generation 14nm Intel® mobile Celeron® 3855U (15W) 2.4GHz on-board processor (ULT),one 4GB DDR4 RAM,802.11a/b/g/n/ac Wi-Fi module,PCAP touchscreen,5-megapixel camera,microphone,w/o battery, R10
POCm-W24C-ULT3-i5/PC/4G-R10	24" 250cd/m² FHD medical panel PC with 6th generation 14nm Intel® mobile Core™i5-6300U (15W) 2.4GHz on-board processor (ULT),one 4GB DDR4 RAM,802.11a/b/g/n/ac Wi-Fi module,PCAP touchscreen,5-megapixel camera,microphone,w/o battery, R10
POCm-W24C-ULT3-i7/PC/4G-R10	24" 250cd/m² FHD medical panel PC with 6th generation 14nm Intel® mobile Core™i7-6600U (15W) 2.6GHz on-board processor (ULT),one 4GB DDR4 RAM,802.11a/b/g/n/ac Wi-Fi module,PCAP touchscreen,5-megapixel camera,microphone,w/o battery, R10

Options

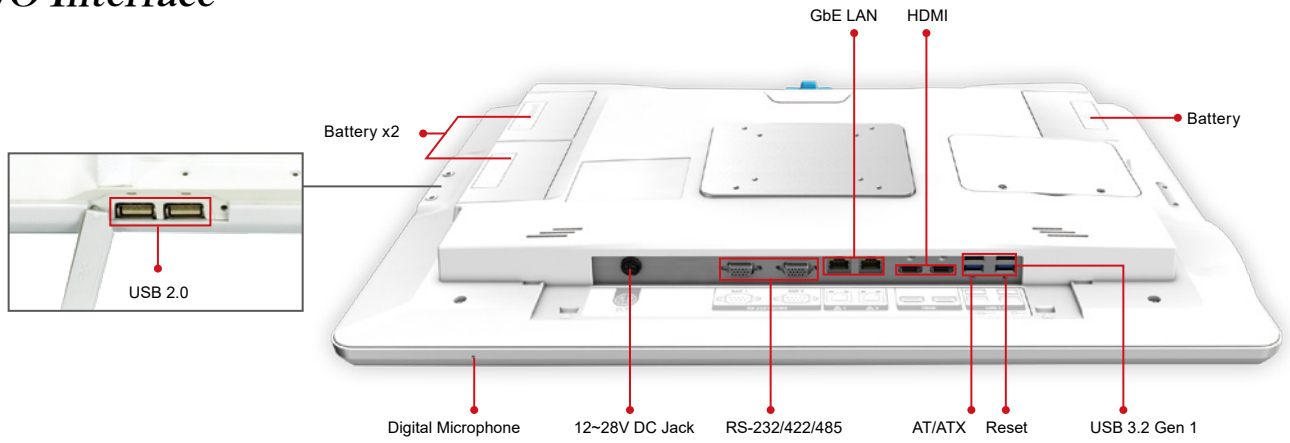| Part No.	Description
MEDP-HS-R10	USB interface VoIP phone and its holder, white
MEDP-CR-02-R10	Magnetic card reader/Smart card reader/Fingerprint sensor for BIS-W19C, White
MEDP-TPM-R10	Trusted platform module kit, IEI assembly only
MEDP-EZS-R10	VESA 100 x 100 mm panel PC stand with a cable management hole, white
MEDP-HSBAT-R10	3S3P Li-ion battery pack, 11.1V, 7800mAh, Eco packing should be purchase base on 14 pcs (Per box) or multiple of 14 per order.
POCm-DOCKING-6BAY-R10	6-slot battery charger, LED indicator, 15V/280W power adapter
POCm-W22C-ULT3-W10E64-V-R10	OS image with 64bit Windows 10 IOT Enterprise for POCm series, with DVD-ROM
POCP-CC05-R10	Cable cover, white, plastic, R10
31603-000069-RS	3S3P Li-ion battery pack, 11.1V, 7800mAh, ATO only

IQ Mounting Options

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

Packing List

Item	Q'ty	Remark
Power Adapter	1	150W medical power adapter
Power Cord	1	European power cords, 183 CM, C13

POCm-W22C-ULT3 / POCm-W24C-ULT3
I/O Interface

GbE LAN   HDMI

Battery x2

Battery

USB 2.0

Digital Microphone   12~28V DC Jack   RS-232/422/485   AT/ATX   Reset   USB 3.2 Gen 1

POCm-W22C-ULT3
Dimensions (Unit: mm)

M4x8L   □100   □75

543
271
175
350
290
61
71
125
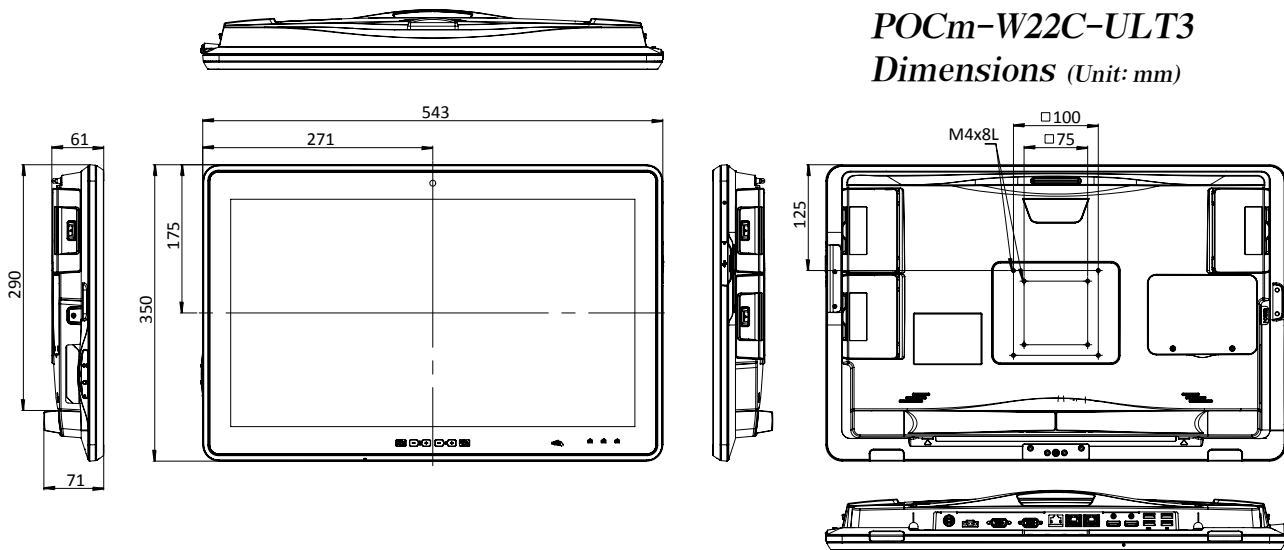
POCm-W24C-ULT3
Dimensions (Unit: mm)

100.0
75.0
594.6
297.3
189.8
379.6
319.9
61.0
71.0
154.8