Mobile Point-of-Care Terminal

POCm-W22C-ULT3
POCm-W24C-ULT3

22"/24" Medical Panel PC with 6th Generation Intel® mobile ULT Core™ i7/i5/Celeron® processor

iF DESIGN AWARD 2019

Features

- Intel® Celeron®, Core™ i5/i7 Skylake processor
- Anti-bacteria housing with IP65 front bezel and IP32 rear cover protection
- PCAP touch allows multi-touch, multi-layer gloves and water-on-screen operation
- Three hot-swappable batteries with a total runtime of 8 hours, 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 eases 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 the POCm series an ideal medical cart computer for decreasing the total weight up to 5 kg.

LiFePO4 6.5kg!

3 pcs Lithium-ion 1.38kg

5 kg reduction

● Highly Integration

The POCm series product is a highly integrated panel PC. 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 Size	21.5'' (16:9)	23.8"
	Max. Resolution (W / H)	1920 x 1080	1920 x 1080
	Brightness (cd/m²)	250	250
	Contrast Ratio	1000:1	1000:1
	LCD Color	16.7M colors (RGB 6-bit)	16.7M colors (RGB 6-bit)
	Pixel Pitch (H / V)	0.24825 x 0.24825 mm	0.2745 x 0.2745 mm
	Viewing Angle (H / V)	170° / 160°	178° / 178°
	Backlight MTBF (hrs)	30,000 (LED backlight)	30,000 (LED backlight)
Touch	Touchscreen	Projected capacitive type with 10-point multi-touch	Projected capacitive type with 10-point multi-touch
	Touch Controller	EETI	EETI
	Surface Hardness	6H	6H
System	CPU Support	6th Gen Intel® mobile ULT Core™ i7-6600U / Core™ i5-6300U / Celeron® 3855U	6th Gen Intel® mobile ULT Core™ i7-6600U / Core™ i5-6300U / Celeron® 3855U
	LAN Controller	1 x Intel® I211 Ethernet Controller 1 x Intel® I219 Ethernet Controller (AMT 12.x supported by i7/i5 SKUs)	1 x Intel® I211 Ethernet Controller 1 x Intel® I219 Ethernet Controller (AMT 12.x supported by i7/i5 SKUs)
	RAM	Two 260-pin 2400/2133MHz dual-channel DDR4 SO-DIMM, 4GB pre-installed (system max. 32GB)	Two 260-pin 2400/2133MHz dual-channel DDR4 SO-DIMM, 4GB pre-installed (system max. 32GB)
	Storage	1 x 2.5" Accessible SATA HDD bay 2 x 2280 M key (PCIe x1/SATA) with RAID	1 x 2.5" Accessible SATA HDD bay 2 x 2280 M key (PCIe x1/SATA) with RAID
	Audio	2 x 2W speaker	2 x 2W speaker
	Camera & Microphone	5-megapixel CMOS front-facing camera with auto-focus and digital microphone	5-megapixel CMOS front-facing camera with auto-focus and digital microphone
	I/O Port	Bottom 1 x DC Jack 1 x Digital Mic 2 x HDMI output 2 x GbE LAN port 2 x RS-232/422/485 4 x USB 3.2 Gen 1 port	Side 1 x Mic in 1 x Audio out 2 x USB 2.0 port
	OSD Function	1 x System on/off 1 x Volume up 1 x Volume down	1 x Brightness up 1 x Brightness down 1 x LCD on/off and touch lock for cleaning
	Expansion	1 x Full-size/half-size PCIe Mini (PCIe+USB)	1 x Full-size/half-size PCIe Mini (PCIe+USB)
	LED	1 x RFID indicator 1 x Power indicator 3 x Battery indicator (color: blue/red)	1 x RFID indicator 1 x Power indicator 3 x Battery indicator (color: blue/red)
	Wi-Fi & Bluetooth	IEEE 802.11 a/b/g/n/ac 2T2R module with BT V4.2 (M.2 2230 A-E key)	IEEE 802.11 a/b/g/n/ac 2T2R module with BT V4.2 (M.2 2230 A-E key)
Physical	Construction Material	ABS+PC plastic with anti-bacterial material	ABS+PC plastic with anti-bacterial material
	Mounting	Wall, Stand and Arm VESA 75/100	Wall, Stand and Arm VESA 75/100
	Weight (Net / Gross)	7.07 kg without batteries / 8.43 kg with 3 batteries	8.18 kg without batteries / 9.53 kg with 3 batteries
	Dimensions (LxWxH)	543 x 71 x 350 mm	594.6 x 71 x 379.6 mm
Environment	Operating Temperature	0°C~40°C	0°C~40°C
	Storage Temperature	-20°C~60°C	-20°C~60°C
	Humidity	10% to 90% (non-condensing)	10% to 90% (non-condensing)
	Vibration	1G	1G
	Shock	Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 10G peak acceleration (11ms duration)	Operating shock: 5G peak acceleration (11ms duration) Non-operating shock: 10G peak acceleration (11ms duration)
	IP Level	Front: IP65, Back: IP32	Front: IP65, Back: IP32
	Thermal	Fanless	Fanless
Power	Power Input	19V DC input	19V DC input
	Power Adapter	150W medical power adapter	150W medical power adapter
	Battery	3 slots for Li-ion battery pack	3 slots for Li-ion battery pack
Certification	EMC & Safety	CE, FCC Class B Part 18 IEC 60601-1-2: 2014 (Edition 4.0) IEC 60601-1:2005+AMD1:2012 (Edition 3.1)	CE, FCC Class B Part 18 IEC 60601-1-2: 2014 (Edition 4.0) IEC 60601-1:2005+AMD1:2012 (Edition 3.1)

Ordering Information

Part No.		Description
22"	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
24"	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

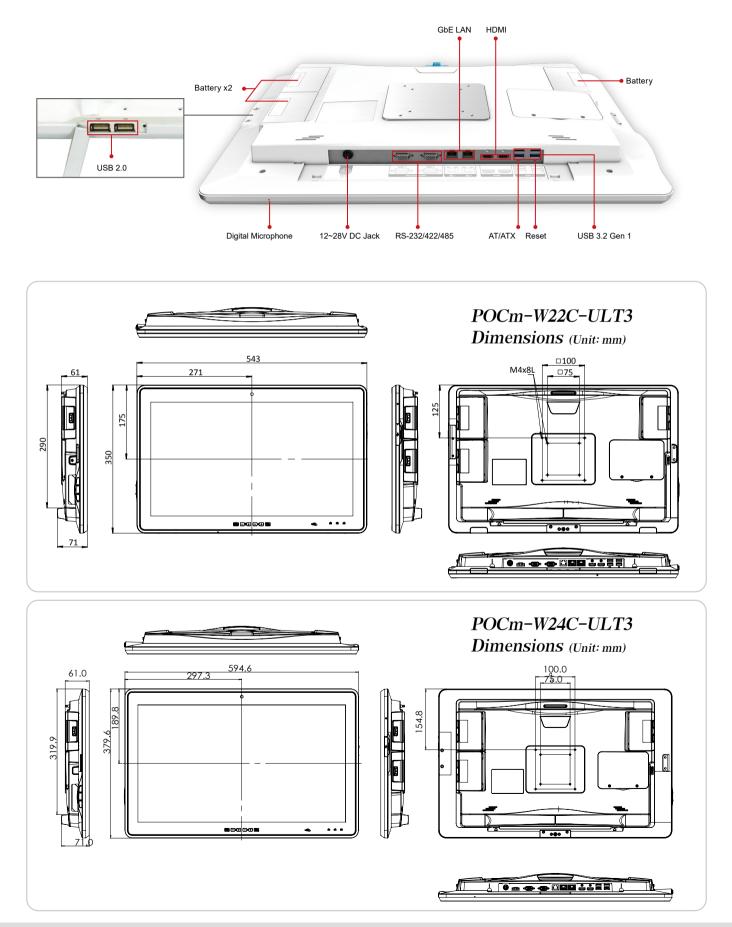| Part No.	Description
MEDP-TPM-R10	Trusted platform module kit, IEI assembly only
MEDP-HSBAT-R10	3S3P Li-ion battery pack, 11.1V, 7800mAh (for eco packing, the order should be at least 14 pcs per box or multiple of 14 pcs)
POCm-DOCKING-6BAY-R10	6-slot battery charger, LED indicator, 15V/280W power adapter
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 cord, 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)*

543
271
175
350
61
290
71
□100
□75
M4x8L
125

POCm-W24C-ULT3
Dimensions *(Unit: mm)*

594.6
297.3
189.8
379.6
61.0
319.9
71.0
100.0
75.0
154.8