MPOCm-W24

Mobile Medical Monitor

Features

» IP65 front bezel

» 2 variable DC outputs

» 10-point PCAP touchscreen

» Supporting up to 3 pcs 9000mAh hot swappable battery pack

» Intelligent working station

» 23.8" FHD medical monitor

» Internal Wi-Fi antenna

Specifications

Display	
LCD Size	23.8"
LCD Resolution	1920 x 1080
LCD Brightness (cd/m²)	250
LCD Contrast Ratio	1000:1
LCD Color	16.7M RGB 6-bit (Hi-FRC)
LCD Pixel Pitch (mm)	0.2745 (H) x 0.2745 (V) mm
LCD Viewing Angle (H-V)	178˚/178˚
LCD Backlight MTBF	30000
Touch Screen	PCAP
Touch Controller	EETI
Touch Surface Hardness	6H
Audio	
Speaker	2 x 2W speaker
I/O Interface	
Rear I/O	1 x HDMI-in
	1 x DC-in jack
	1 x USB 2.0 (black B-type) for Touch
	1 x USB 3.2 Gen1 (blue B-type)
	2 x USB 3.2 Gen1 (blue A-type)
	2 x Wi-Fi SMA connector(main/aux)
	2 x Variable Voltage DC Power output for External Devices (55W in total)
	DC OUT1: Selectable 19V, 24V (maxium of 55 watts)
	DC OUT2: Selectable 5V, 12V, 15V, 19V,24V (maxium of 50 watts or 3.5A)
	*Under Battery Mode, at least 3 batteries are inserted as DC output ports enabled.
Indicator&Buttons	
Buttons	1 x Power on/off
Indicators	1 x Power Indicator
	3 x Battery Indicator (color: blue/orange)
Other Features	
OSD Function	1 x Power 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
Physical Characteristics	
Thermal	Fanless
Construction Material	ABS+PC plastic
Mounting	Wall, Stand and Arm; VESA 75/100 compliant
Weight (Net) (kg)	8.18 kg (without battery)
Weight (Gross) (kg)	9.53 kg (with 3 batteries)
Dimensions (LxWxH) (mm)	594.6 x 379.6 x 63.2
Battery	
Battery Pack Type	3 x 3S3P cells Lithium-ion Battery
Battery Pack Capacity	Support up to 3 pcs 9000mAh hot swappable battery pack
Normal Voltage	10.8 V
Battery Life Time	500 cycles (FCC >= 70% of the minimum capacity)
Continuous Charge Current	4 A for each battery pack
Continuous Discharge Current	5 A for each battery pack
Discharge Cut-off Voltage	9 V
Power	
Input	19V DC input
Output	DC OUT1: Selectable 19V, 24V (maxium of 55 watts)
	DC OUT2: Selectable 5V, 12V, 15V, 19V,24V (maxium of 50 watts or 3.5A)
Power Adapter	150W medical power adapter
Environment	
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Humidity	10% ~ 90% (non-condensing)
Vibration	1G
Operating Shock	5G peak acceleration (11ms duration)
Non-operating shock	15G peak acceleration (11ms duration)
IP Level	Front: IP65
Certifications	
Safety & EMC	FCC Part15B
	EN 62368-1 Ed.2 (60601-1 Compatible)
	EN 55032 + EN 55035 (60601-1-2 Compatible)
	Battery Pack: UN38.3, IEC62133, IEC62368-1, UL2054

Ordering Information

MPOCm-W24/PC-R10	23.8" 250cd/m² FHD Medical Monitor, 2* DC output, PCAP touchscreen, Support 3* TC-202 Battery, R10
MPOCm-W24-R10	23.8" 250cd/m² FHD Medical Monitor, 2* DC output, Support 3* TC-202 Battery, R10

Packing List

1 x Power Adapter (150W medical power adapter)	1 x Power Cord (European power cord, 183 cm, C13)