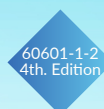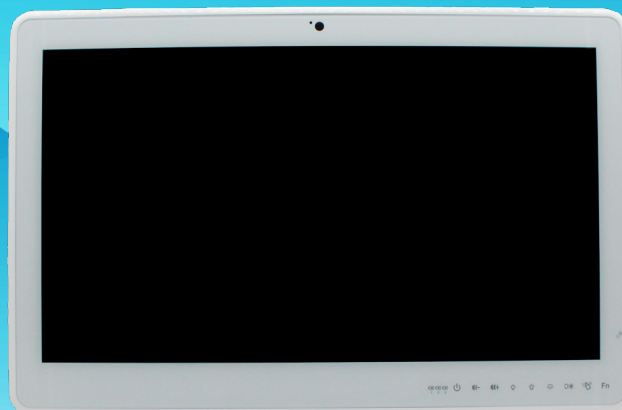**WERTH**SYSTEMS

SMART-MED MP-77 SERIES

Fanless Medical Panel PC for mobile solutions with 21.5" and 23.8" Display

- ◆ Powerful and energy saving - Intel 10 Core i5 / i7 12th. Generation CPU

- ◆ Safe and durable - high current batteries with 4 times protection

- ◆ Versatile - optional 4KV isolation, Smart Card Reader and RFID

- ◆ Easy to clean - full flat IP65 glas front with closed IP51 housing

- ◆ Usable with gloves - long lifetime PCT multitouch

Fanless | 13000 CPU-Mark | 8h | Cleanable | 60601-1-2 4th. Edition | VESA 100

Hot swappable Batteries

The MP-77 Series has a battery runtime of more than eight hours in normal work mode. Empty batteries can be swapped easily without the need of a shutdown, and so the MP-77 Series system is able to work around the clock without any break. The available external charger bay allows a fast charge within only three hours for up to 100%.

The fanless and battery driven SMART-MED MP-7722 All-in-One-PC is designed for mobile cart solutions. Due to the complete closed housing, the fanless design with a heat pipe cooling system and the versatile expansion possibilities, it is the ideal basis for the creation of mobile and powerful medical electrical system. The 4 times protection of the batteries, protect the MP-7722 against over-voltage, over-current, over-temperature and under-temperature as well.

WERTHSYSTEMS

Available Versions

Description	MP-7724	MP-7722
Part Number	2002038 (i5) / 2002046 (i7)	2002048 (i5) / 2002143 (i7)
CPU	Intel Core i5-1235U / Intel i7-1255U	
Clockspeed (Cache)	Intel i5 = 0.9 to 4.4 Ghz (12 MB) / Intel i7 = 1.2 to 4.7 Ghz (12 MB)	
Display	23.8'' MVA Panel	21.5'' MVA Panel
Brightness / Contrast Ratio	250 cd/m^2 / 3000:1	250 cd/m^2 / 1000:1
Dimensions	594 x 397 x 56 mm (WxHxD)	541 x 353 x 56 mm (WxHxD)
Weight (w/o Power Supply)	10.5 Kg incl. batteries	8.5 Kg incl. batteries

Technical Information

Panel Color Depth	Real 8 Bit
Touch Panel	Projective Capacitive Touch
Hardness	7H, pressure 750 g / 45 °
Glass Thickness	2.43 mm
Max. Resolution	1920 x 1080
Viewing Angle	178° / 178° H/V
Remote Access	Yes
Touch Keys	Power, Volume, Brightness, Reading Light, Backlight, Clean Me, Porgrammable Button
RAM Standard Setting	16 GB DDR5
RAM Maximal	64 GB (2x 32 GB) DDR5 4800 MHz
Harddisk / SSD	256 GB SSD M.2
Nummer of supported Displays	Up to 3 Displays (2x external) with up to 4096 x 2304
Network	1x Gigabit LAN + 1x 2.5 Gigabit LAN (Intel) with Wake on Lan
Audio	Realtek ALC262, 2x 2 W Speakers, Line In, Line Out
Ports	4x USB 3.2, 1x RS-232, 1x RS-232/422/485, 1x Display Port (out), 1x HDMI (out)
Potential Equalization Pin	Yes, accoridng to DIN 42801
Housing	Ruggedized 3 mm anti-bacteria (MSRA) ABS wit Aluminum Heatsink
Cooling System	Heatpipe-Coolingsystem
IP-Classification	IP 51 (Frontside IP65)
Battery	Up to 3x Lithium-Ion Battery with 95 Wh per each
Expansion Slot	1x PCIe x4 up to 15W (optional)
Internal Slots	1x Mini-PCIe, 1x M.2 Type E
Power Supply	External, medical 180 W Power Supply, 24V DC Output, 110-240V AC Input
Mounting	VESA 100
Security Function	Firmware TPM 2.0
Temperature Range	0° C to 35 °C (charge mode)
Productionstandard	ISO 9001 / ISO 13485
Waranty	2 years bring in & return (Batteries 1 year)
Supported Operating Systems	Windows 10, Windows 11
Conformity	CE, RoHS, Energy Star 6.1
Norms	IEC 60601-1:2012, IEC 60601-1-2:2014
Scope of Delivery	Manual, Driver DVD, Power Supply, AC-Cord

Available options and extensions for the MP-77 Series

Ports / Modules:

2x RS-232 or 2x Side USB 2.0, Dual Band AX Wi-Fi, 5 MP Camera, Smart Card Reader, RFID, DICOM preset

4 KV Isolation Card

Occupies PCIe Slot - Build in Isolation Card for 2x RS-232, 1x USB 2.0 12 Mbit/s, 1x RJ45 Gigabit Lan

High Speed Charger

External Charger bay with 3 hours fast charge (100%)

Harddisk / SSD Drive Bay with direct access

1x 500 GB / 1 TB / 2 TB - 2.5 HHD or 1x 128 GB / 256 GB / 512 GB 2.5' SSD for 24/7 use

Framegrabber / capturecard

Occupies PCIe Slot - please ask for more supported cards.

Additional Warranty:

Expansion to 3 years / 4 years / 5 years Warranty