

SMART-MED MP-7722

22" fanless Medical Panel PC for ORs, Intensive Care Units and mobile solutions



- ▶ powerful and energy saving Intel Core i5/ i7 7th. Generation CPU
- ▶ safe and durable -high lifespan Batteries with 4 times protection
- ▶ versatile - optional 4KV Isolation, Smart Card Reader and RFID
- ▶ easy to clean - full flat IP 65 glas front with closed IP52 housing
- ▶ usable with gloves- long lifetime PCT Multitouch



hot swappable Batteries

The MP-7722 has a Battery runtime of more than 7 hours in normal work mode. Empty Batteries can be swapped easily without the need of a shutdown and so the MP-7722 System is able to work around the clock without any break.

The fanless MP-7722 All in One PC is designed to meet the increased demand of disinfectable Computer Systems in Hygiene- and Patient environments. Due to the complete closed housing, the fanless Design with a Heatpipe cooling system and the versatile expansion possibilities, it is the ideal basis for the creation of a modern and powerful Medical Electrical System. The 4 times protection of the batteries, protect you against over-voltage, over-current, over-temperature and under-temperature as well.

Description	MP-7722-i5	MP-7722-i7	MP-7722-c3
Part No.	2001066	2001063	TBD
CPU	Intel Core i5-7200U	Intel Core i7-7500U	Intel Celeron 3965U
Clockspeed / Cache	2.5 to 3.1 Ghz / 3 MB	2.7 to 3.5 Ghz / 4 MB	2.2 Ghz / 2 MB
CPU Cores / Virtual Cores	2 / 4	2 / 4	2 / 0
Display	21.5" MVA Low Power Panel		
Panel Color Depth	Real 8 Bit		
TouchPanel	Projective Capacitiv Touch/100 Milliontimes Lifetime		
Hardness	7H, pressure 750 g / 45°		
Glass Thickness	2.43 mm		
max. Resolution	1920x1080		
Brightness / Contrast Ratio	250 cd/m2 / 3000:1		
Viewing Angle	178° / 178° H / V		
Remote Access	Yes		
Touch Keys	Power, Volume, Brightness, Reading Light, Backlight, Clean Me, Programmable Button		
RAM Standard setting	8 GB		
RAM Maximal	32 GB (2x 16 GB) DDR4 2133 Mhz		
Harddisk / SSD	128 GB M.2 SSD		
No. of supported Displays	up to 3 Displays (2x external) with up to 4096x2304		
Network	2x Gigabit LAN (Intel i210AT+ i219LM) with Wake On Lan		
Audio	Realtek ALC262, 2x 2 W Speakers, Line In, Line Out		
Ports	4x USB 3.0, 1x RS-232, 1x RS-232/422/485, 2x Display Port (out)		
Potential Equalisation Pin	Yes, according to DIN 42801		
Housing	Ruggedized 3 mm anti-bacteria (MRSA) ABS with Aluminum Heatsink		
Cooling System	Heatpipe-Coolingsystem		
IP-Classification	IP 52 (Frontside IP 65)		
Battery	3x Lithium-Ion Battery with 81 Wh per each		
Expansion-Slot	1x PCIe4 max. 20 W (optional)		
internal Slots	1x Mini-PCIe, 1x M.2 Type E		
Power Supply	external, medical 180W Power Supply, 18V DC Output, 110-240V AC Input		
Dimensions	541x353x56 mm (WxHxD)		
Weight	8.5 Kg incl. Batteries (w/o ext. Power Supply)		
Temperaturerange	0 °C to 35 °C (charge mode)		
Productionstandard	ISO 9001 / ISO13485		
Warranty	2 years		
supported Operating Systems	Windows 10		
Conformity	CE, RoHS, Energy Star 6.1		
Norms	IEC 60601-1 :2012, IEC 60601-1-2 :2014, IEC 62133		
Scope of Delivery	Manual, Driver DVD, Power Supply, AC-Cord		

Options for the SMART-MED MP-7722

Ports/Modules:

2x RS-232 or 2x Firewire, Side USB 2.0, Dual Band AC Wifi, TPM 2.0, 5MP Camera, Smart Card Reader, RFID

Framegrabber/Capturecard (occupies PCIe Slot):

IDS Falcon PCIe/Blackmagic Decklink Mini Series, ... please ask for more supported cards

Parts for cable management and mounting:

Cable Cover, Power Supply Mount, height adjustable Stand with Pivot Function

4 KV Isolation Card (needs to occupy PCIe Slot):

Build In Isolation card for 2x RS-232, 1x USB 2.0 12 Mbit/s, 1x RJ45 Gigabit LAN

Harddisk/SSD Drive Bay with direct access:

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

Power Supply:

external charger bay with 2.5 hours fast charge (100%), additional Batteries with 81 Wh per each unit

additional Warranty:

Expansion to 3 years / 4 years / 5 years Warranty / 48h Replacement in advance

