SMART-MED MP-7724

24' fanless Medical Panel PC for ORs, Intensive Care Units and mobile solutions

NEW

intel CORE i7 vPro 7th Gen

7h | 60601-1-2 4th. Edition | washable | 5123 CPU-Mark | fanless | 24/7 use | VESA 100

▶ 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-7724 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-7724 System is able to work around the clock without any break.

The fanless MP-7724 All in One PC is a designed to meet the increased demand of disinfectable Computer Systems in Hygiene- and Patientenvironments. 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-7724-i5	MP-7724-i7
Part No.	TBD	TBD
CPU	Intel Core i5-7200U	Intel Core i7-7500U
Clockspeed / Cache	2.5 to 3.1 Ghz / 3 MB	2.7 to 3.5 Ghz / 4 MB
CPU Cores / Virtual Cores	2 / 4	2 / 4
Display	23.8' 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 PCIex4 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	594x397x56 mm (WxHxD)	
Weight	9.8 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-7724

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 for2x 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