

WERTH MP-522 Serie

21.5" fanless Medical All In One PC for Hygiene- and Patient environments



- ▶ powerful and energy saving Intel Core i5/ i7 5th. Generation CPU
- ▶ silent - does not disturb Patients or Users
- ▶ versatile - optional built in UPS Battery, 4KV Isolation and Barcode Reader
- ▶ lightweight - only 7.0 Kg, fits for nearly every Arm or Cart
- ▶ usable with gloves- long lifetime PCT Multitouch



Hygiene optimized Design

The MP-522 is easy to clean with standard cleaning agents thanks to its round edges and the completely closed IP52 housing with full flat IP65 Front.

The fanless MP-522 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 Direct-Channel cooling system and the versatile expansion possibilities, it is the ideal basis for the creation of a modern and powerful Medical Electrical System. Together with the optional built in UPS Battery and the 4KV Isolation Module, it fulfills the highest level of a safe and reliable modern Medical PC.

Technical Datasheet WERTH MP-522 Series

Description	MP-522-i5	MP-522-i7
Part No.	2000368	2000369
CPU	Intel Core i5-5200U	Intel Core i7-5500T
Clockspeed / Cache	2.2 to 2.7 Ghz / 3 MB	2.4 to 3.0 Ghz / 4 MB
CPU Cores / Virtual Cores	2 / 2	2 / 2
Chipset	Intel	
Display	21.5" Low Power Panel	
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 / 1000:1	
Hardware-Remote Access	No	
RAM Standard setting	8 GB	
RAM Maximal	32 GB (2x 16 GB) DDR4 2133 Mhz	
Harddisk / SSD	120 GB SSD	
No. of supported Displays	up to 3 Displays (2x external)	
max. Resolution	Display Port: 4096x2304	
Network	2x Gigabit LAN Intel i210AT with Wake On Lan and PXE	
Audio	Realtek ALC262, 2x 1.5 W Speakers, Line In, Line Out	
Ports	2x USB 3.0, 2x USB2.0, 1x RS-232, 1x RS-232/422/485, 2x Display Port	
Housing	Ruggedized 3 mm anti-bacteria (MRSA) ABS with Aluminum Heatsink	
Cooling System	Heatpipe-Coolingsystem	
IP-Classification	IP 52 (Frontside IP 65)	
Expansion-Slot	1x PCIe4 max. 20 W (optional)	
internal Slots	2x Mini-PCle	
Power Supply	external, medical 100W Power Supply, 12V DC Output, 220-240V Input	
Dimensions	540x375x78 mm (WxHxD)	
Weight	7.0 Kg	
Temperaturerange	0 °C to 40 °C	
Productionstandard	ISO 9001/ISO13485	
Place of Production	Taiwan	
Warranty	2 years pick up and return	
supported Operating Systems	Windows 7Pro, Windows 8.1, Windows 10	
Norms / Standards	CE, RoHS, EN60601-1-2:2007/AC2010, EN60601-1:2006/A1:2013	
Scope of Delivery	Manual, Driver DVD, Power Supply, AC-Cord	



Options for the WERTH MP-522

Ports/Modules:

2x RS-232, 2x Firewire, Intel AC WLAN, TPM 1.2, 5MP Camera, 2D Barcode Reader

Framegrabber/Capturecard (occupies 1x PCIe Slot):

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

UPS-built in Battery Pack:

Ni-MH Battery Pack Module for UPS functionality with up to 40 Minutes runtime

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's/SSD's:

1x 500 GB/1 TB/2 TB -2.5" HDD or 1x 120 GB/240 GB/480 GB 2.5" SSD for 24/7 use

disinfectable Stand:

MEDARIS AIO Stand with height adjustment and pivot function, for 15" to 24" Panel PCs

additional Warranty:

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