WERTHSYSTEMS
all-in-one medical solutions

WERTH ST-520 Serie

the fanless high performance Medical PC Workstation

intel CORE i7 vPro 7th Gen

Medical EN60601-1 | fanless | 24/7 use | VESA 100 | VESA 75

▶ **powerfull** - Intel Core i5/ i7 high performance Quad-Core-7th. Generation CPU

▶ **silent** - sound does not violate patients or users

▶ **expandable** - PCIe Slot, additional ports and VESA mountable

▶ **cost-cutting** - maintenance free and hardware remote access

▶ **long lasting** - long availability and up to 5 years warranty

tailor-made Systems

The WERTH ST-520 is one of the very rare compact PCs in the market, which is expandable with PCIe Cards or additional Ports, as like Firewire, VGA or additional 232 Ports.

The fanless WERTH ST-520 PC is a high-performance compact PC of the latest generation designed to meet the increased demand on longevity and efficiency of workflows. Due to the complete closed housing, the optimized Quad-Channel-Copper-Heatpipe cooling system and the versatile expansion possibilities, it is the ideal basis for the creation of a modern and powerful medical electrical system.

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Technical Datasheet WERTH ST-520 Series

Bezeichnung	ST-520E-i3	ST-520-i5	ST-520-i7
Part No.	2000507	2000506	2000484
CPU	Intel Core i3-7101T	Intel Core i5-7500T	Intel Core i7-7700T
Clockspeed/Cache	3.4 Ghz/3 MB	2.7 to 3.3 Ghz/6 MB	2.9 to 3.8 Ghz/8 MB
CPU Cores/virtual Cores	2/2	4/0	4/4
Chipset	Intel H110	Intel Q170	Intel Q170
Hardware-Remote Access	No	Yes, Intel VPro	Yes, Intel VPro
RAM Standard setting	4 GB	8 GB	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		
max. Resolution	Display Port: 4096x2304, HDMI: 4096x2160		
Network	2x Gigabit LAN Intel i210 + i219LM with Wake On Lan and PXE		
Audio	Intel HD Audio- Line In, Line Out		
Ports	4x USB 3.0, 2x RS-232, 1x Display Port, 1x HDMI		
Potential Equalisation Pin	Yes, according to DIN 42801		
Housing	Aluminum / Steel		
Cooling System	Quad Channel Copper Heatpipe		
IP-Classification	IP 41 (Frontside IP 65-only without DVD)		
Expansion-Slot	1x PCIe		
internal Slots	1x PCIex4, 1x Mini-PCIe, 1x Mini-PCIe Halfsize		
Power Supply	external, medical Mini Power Supply, 12V DC Output, 220-240V Input		
Dimensions	260x85x241 mm (WxHxD)		
Weight	4.1 Kg		
Temperaturerange	0 ˚C bis 40 ˚C		
Productionstandard	ISO 9001		
Place of Production	Germany		
Warranty	2 years pick up and return		
supported Operating Systems	Windows 7Pro*, Windows 8.1*, Windows 10		
Windows Image compatible to	ST-520E Series		
Norms/Standard	CE, RoHS, EN60601-1-2:2007/AC2010, Power Supply: EN60601-1:2006/A1:2013		
Scope of Delivery	Manual, Driver DVD, Power Supply, AC-Cord		

Options for the WERTH ST-520

Ports (occupies sometimes the PCIe Slot):
2x RS-232 / 2x USB 2.0 / 1x VGA / 2x Firewire / 1x Front USB / 2x WLAN Connector

Framegrabber / Capturecard (occupies the PCIe Slot):
IDS Falcon PCIe Framegrabber/Blackmagic Decklink Mini Series,
Intensity Pro 4K /... please ask for more supported cards

Slot In Optical Drive (not in combination with PCIe Cards):
1x TEAC Slot-In DVD Re-Writer/1x Slot In Blu-Ray/DVD-Re-Writer

Harddisk's/SSD's:
1x 500 GB/1 TB/2 TB-2.5' for 24/7 use with 7200rpm or
1x 120 GB/240GB/480 GB 2.5' SSD

Safetyfunctions:
TPM 2.0 Module / Rear Cover for I/O Ports for easy disinfection

Mountings:
VESA 75/100 mounting adaptor to mount the ST-520 on VESA Mounts or Arm.

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

* if Windows 7/8 online updatefunction is needed, then Intel Skylake downgrade is recommended