

SMART-MED ST-540

the fanless, extendible high performance Medical PC Workstation



- ▶ powerfull - up to Intel Core i7 high performance 8-Core-9th. Generation CPU
- ▶ silent - sound does not violate patients or users
- ▶ expandable - PCIe Slot, additional ports and VESA mountable
- ▶ cost-cutting - maintenance free and remote access
- ▶ long lasting- long availability and up to 5 years warranty

tailor-made Systems



The SMART-MED ST-540 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 4x RS-232 Ports.

The fanless SMART-MED ST-540 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.

Technical Datasheet SMART-MED ST-540 Series

| Description | ST-540-i3 | ST-540-i5 | ST-540-i7 |
|-----------------------------|---|---------------------|----------------------|
| Part No. | 2001402 | 2001335 | 2001537 |
| CPU | Intel Core i3-9100 | Intel Core i5-9500 | Intel Core i7-9700 |
| Clockspeed/Cache | 3.1 to 3.7 Ghz /6 MB | 2.2 to 3.7 Ghz/9 MB | 2.0 to 4.3 Ghz/12 MB |
| CPU Cores/virtual Cores | 4/0 | 6/0 | 8/0 |
| Remote Access | Yes | Yes | Yes |
| RAM Standard setting | 8 GB | 8 GB | 8 GB |
| RAM Maximal | 32 GB (2x 16 GB) DDR4 2133 Mhz | | |
| Harddisk/SSD | 250 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 | 2x USB 3.0, 2x USB 2.0, 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 PCIe x4, 1x Mini-PCIe, 1x Mini-PCIe Halfsize | | |
| Power Supply | external, medical 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 | | |
| Security Functions | Infineon TPM 2.0 Chip | | |
| supported Operating Systems | Windows 10 Pro | | |
| Windows Image compatible to | ST-1040 Series, XE-840 Series | | |
| Conformity | CE, RoHS | | |
| Norms | IEC 60601-1-2 :2014, Power Supply: IEC 60601-1 :2012 | | |
| Scope of Delivery | Manual, Driver DVD, Power Supply, AC-Cord | | |

Options for the SMART-MED ST-540

additional Ports (RS232 / VGA / rear USB occupies PCIe Slot):

2x RS-232 or 2x USB 2.0 or 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:

Rear Cover for I/O Ports for easy disinfection

Mountings:

VESA 75/100 mounting adaptor to mount the ST-540 on VESA Mounts or Arm.

additional Warranty:

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

