

# SMART-MED ST-1050

The fanless and expandable High Performance Medical Box PC



- ▶ powerful - 13th. Generation Intel Core i5 or i7 CPU with 14 to 16 Cores
- ▶ universal mountable - optional VESA 100 and DIN Rail Mount
- ▶ extendible - 1x PCIe x16 Slot, optional 4 kV isolated LAN and RS232 Ports
- ▶ cost-cutting - maintenance free with Remote Access support
- ▶ long lasting - future proof with long availability and up to 5 years warranty



## Hygiene optimized Design

The ST-1050 is easy to clean with standard cleaning agents.

Due to its rounded corners, the IP65 Front, the completely closed IP52 housing and the new designed HALFPIPE Heatsinks.

The fanless ST-1050 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 5 channel copper heat pipe cooling system, the optional isolated Ports and the versatile expansion possibilities, it is the ideal basis for the creation of a modern and powerful Medical Electrical System in hygiene environments.

# Technical Data SMART-MED ST-1050 Serie

Description	ST-1050-i5	ST-1050-i7
Part No.	TBD	TBD
CPU	Intel Core i5-13500T	Intel Core i7-13700T
ClocksPEED/Cache	1.2 to 4.6 Ghz /24 MB	1.0 to 4.9 Ghz / 30 MB
CPU Cores/virtual Cores	14/6	16/8
Passmark Score	23000	27000
Remote Access	Yes	Yes
RAM Standard setting	8 GB	16 GB
RAM Maximal	64 GB (2x 32 GB) DDR5 5600 Mhz	
Harddisk/SSD	256 GB SSD	
No. of supported Displays	up to 3 Displays	
max. Resolution	Display Port: 4096x2304, HDMI: 4096x2160	
Network	2x 2.5 Gigabit LAN i225 with Wake On Lan and PXE	
Audio	Intel HD Audio- Line In, Line Out	
Ports	3x USB 3.2, 3x USB 2.0, 2x RS-232, 2x Display Port 1.4a, 2x HDMI 2.0b	
Potential Equalisation Pin	Yes, according to DIN 42801	
Housing	Aluminum / Steel	
Cooling System	Five Channel Copper Heatpipe	
IP-Classification	IP 52 (Frontside IP 65-only without DVD)	
Expansion-Slot	1x PCIe x16	
internal Slots	1x M.2 M-Key 2280, 1x M.2 Key 2242, 1x M.2 E-Key 2230, 1x M.2 B-Key 3042/3052	
Power Supply	external 150 W medical Power Supply, 19V DC Output, 110-240V Input	
Dimensions	260x85x241 mm (WxHxD)	
Weight	4.5 Kg	
Temperaturerange	0 °C bis 40 °C	
Productionstandard	conform to ISO 9001	
Place of Production	Germany	
Warranty	3 years bring in and return	
Security Functions	Firmware TPM 2.0	
supported Operating Systems	Windows 10 Pro, Windows 11	
Windows Image compatible to	XE850, TT-2050, CMP Series, PXE Series (2024 Versions)	
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-1050

### Isolated Ports 4 kV:

2x RS-232 ( occupy 1x PCIe Slot) / 1x 2.5 Gigabit LAN

### Framegrabber/Capturecard with SMART-MED Heatpipe (occupies 1x PCIe Slot):

Magewell PCIe & M.2, Blackmagic Decklink Mini Series, Intensity Pro 4K/Matrox VIO/ Unigraf UGF-7 Single, Unigraf UFG-10/Datapath Vision AV/RGB/SD4  
 ... please ask for more supported cards

### AUDIO Amplifier and built in Stereo Speakers

2x 3 Watt Speaker and Amplifier

### Optical Drive (not in combination with PCIe Cards):

1x TEAC Slot-In DVD Re-Writer or Blu-Ray/DVD-Re-Writer

### Harddisk's/SSD's:

1x 1 TB / 2 TB -2.5' HDD or 250 GB / 500 GB / 1TB / 2TB 2.5' SSD  
 1x M.2 SSD 250 GB / 500 GB / 1 TB / 2 TB

### Mountings:

VESA 75/100 mounting adaptor to mount the ST-1050 on VESA Mounts or Arm.  
 DIN Rail Mount to mount PC on a Rail

### additional Warranty:

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

