

SMART-MED XE-850

the powerful and fanless Medical Box PC



- ▶ powerfull - up to Intel i7 13th. Generation CPU with 16 Cores
- ▶ silent - sound does not violate patients or users
- ▶ easy to clean- hygiene optimized unibody design
- ▶ cost-cutting - maintenance free and low life-cycle costs
- ▶ long lasting- long availability and up to 5 years warranty



Hygiene optimized Design

The XE-850 is easy to clean with standard cleaning agents because there are no edges or corners on the surface. Thanks to its unibody Aluminum housing, the XE-850 has a IP52 protection against liquids and dust.

The fanless XE-850 PC is a high-performance compact PC of the latest generation designed to meet the increased demand on longevity and efficiency of workflows. It supports powerful Intel 6th. and 13th. Generation CPUs with up to 16000 CPU Mark points. Due to the unique Aluminum Monocoque housing with integrated Quad-Channel-Heatspreader, it is the ideal basis for the creation of a modern and powerful medical electrical system in rough environments or in hygiene sensitive areas.

Technical Datasheet SMART-MED XE-850 Series

Description	XE-850-i3	XE-850-i5	XE-850-i7
Part No.	TBD	TBD	TBD
CPU	Intel Core i3-13100T	Intel Core i5-13400T	Intel Core i7-13700T
Clockspeed/Cache	2.5 to 4.2 Ghz / 12 MB	1.0 to 4.4 Ghz / 20 MB	1.0 to 4.9 Ghz / 30 MB
CPU Cores/virtual Cores	4/4	10/6	16/8
Passmark	9200	13000	16000
Remote Access	Yes	Yes	Yes
RAM Standard setting	16 GB	16 GB	16 GB
RAM Maximal	64 GB (2x 32 GB) DDR5 5600 Mhz		
Harddisk/SSD	250 GB M.2 SSD		
No. of supported Displays	up to 3 Displays		
max. Resolution	Display Port: 4096x2304, HDMI: 4096x2160		
Network	2x 2.5 Gigabit LAN i225LM with Wake On Lan and PXE		
Audio	Intel HD Audio- Line In, Line Out		
Ports	3x USB 3.2, 1x USB 2.0 2x RS-232, 2x Display Port, 2x HDMI 1.4		
Potential Equalisation Pin	Yes, according to DIN 42801		
Housing	Aluminum / Steel		
Cooling System	integrated Quad Channel Heatspreader		
IP-Classification	IP 52 (IP 65 from 4 sides)		
Expansion-Slot	none		
Internal Slots	1x M.2 M-Key 2280, 1x M.2 E-Key 2230, 1x M.2 B-Key 3042/3052		
Power Supply	external 90 W medical Power Supply, 19V DC Output, 110-240V Input		
Dimensions	217x45x217 mm (WxHxD)		
Weight	3.6 Kg		
Temperaturerange	0 °C bis 40 °C		
Productionstandard	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, Linux		
Windows Image compatible to	ST1050, PXExx50, CMPxx50, TT2050 -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 XE-850

optional Ports:

Wifi Module a/b/g/n/ac with one or two Antenna Ports , additional 2x USB 2.0 instead of 2x RS-232

WLAN Antennas:

High Gain 5dBi Antennas (screw-on type), High Gain 6 dBi with IP62 (mountable Antennas)

Storage SSD's:

1x 128 GB/250GB/500 GB/ 1TB M.2 SSD

optional Parts:

Rear Cover for I/O Ports for easy disinfection

Mountings:

VESA 75/100 mounting adaptor to mount the XE-850 on VESA Mounts or Arms.

additional Warranty:

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

