



MERADIS

SE-520 MEDICAL COMPUTER

A powerful and hygienic Medical-PC designed for demanding tasks.

CONTACT

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SE-520 is a powerful fanless Medical PC. Anesthesiology, intensive and patient information systems are demanding and they are usually used at the same time. Demanding environments such as critical treatment areas require performance and durability from your computer under all conditions. Operating theaters operate around the clock every day of the week, abortions are expensive and endanger patient safety.



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MEDARIS SE-520 MEDICAL COMPUTER

There has been a growing demand for separate computer terminals in hospitals. The monitor and the PC are selected according to your needs. With separate computer solutions, the most significant advantage is the excellent heat control, in which heat-producing components, such as power supplies, processors and the display are separated from each other. For example, in the Panel-PC models, these components are often placed together inside the case, thus creating a much higher heat load, which strains the other components of the passive cooled device and the life cycle of the device shortens significantly.

The patient and user safety are the main points of MDD. Electrical safety, hygiene and ergonomics, guarantee the effectiveness needed for this demanding environment.

SE-520 is customizable with additional cards into a efficiently performing assembly. The hospitals will no longer have to look for a suitable device on the market. customization to the needs of the customer is the new-generation approach.



**Intel core i3, i5 tai i7
MEDICAL COMPUTER/4-16
GB, 120-256 GB SSD, WLAN**

TECHNICAL INFO

Intel core i7 4790T (i5 4590T, i3 4150T)
4-16 GB RAM DDR4
120-256 GB SSD hard drive
1x DVI-I, 2x Display Port,
6x USB 2.0, 2x USB 3.0, 2x RJ45 LAN,
2xPS2, 1-2xRS-232, Audio In/Out,
Win 7-10
EN60601-1, EN60601-1-2

OPTIONS

2xRS232 (yhteensä 4 kpl)
Wlan AC7260, AC8260
3xFirewire
TPM 1.2
warranty 3 years and 5 years with
warranty expansion

**Powerful Medical-PC for
demanding environments**



MERADIS SE-520 MEDICAL COMPUTER

CPU	Intel® Haswell Core™ i7-4790T 3.9 Ghz, 8 MB Cache Intel® Haswell Core™ i5-4590T 3.0 Ghz, 6 MB Cache Intel® Haswell Core™ i3-4150T 3.0 Ghz, 3 MB Cache
Mainboard	Fujitsu®
Graphics	Intel® HD Graphics 4600** (Direct X11.1) internal GPU, max. Resolution 3840x2160 (4K), Triple View, Video and 3D acceleration
Memory	2 x SO DIMM, 16 GB maximum, DDR3 - 1600 MHz Dual Channel
Sound	Realtek ALC671 (HD Sound)
External I/O	1x DVI-I 2x Display Port 6x USB 2.0 2x USB 3.0 2x RJ45 LAN 2xPS2 1xRS-232 Audio In/Out VGA possible via adapter
Storage HDD	500 GB; 24/7; 2.5'
Operating system	Windows® 7 Pro, Windows® 8.1 Pro Windows® 10 Pro
Cleanable	Yes
Internal slot	1x USB Type A-Port (3.0) 5x S-ATA 6,0 GB 1x RS-232 1xPCI-e x16 1xMini-PCIe 1xMini-PCIe Halfsize
Drive Bays	External: 1 x Slim 5.25"; internal: 1 x 2.5"
LAN	Intel® i217LM / Intel i210AT (10/100/1000mbit), iAMT, Wake on LAN
Power supply	external medical 100 W Power Supply
Cooling system	4-channel heat pipe with Hard Drive cooling system
Standards	CE, RoHS, DIN EN 60601-1 :2006, EN60601-1-2 :2007, EN60950
Safety Functions	Infineon TPM V1.2, Bios MAC Address Display, Recovery BIOS

* For RAM sizes of 4 GB and above, a 64 bit OS is recommended.

** Intel Core i3 4150T CPUs are using Intel HD 4400 Graphics Chipset.

OPTIONS

1x 2.5' SSD, 1x M-SATA SSD (up to 256GB)
DVD- RW Slot In S-ATA
3xFirewire
WLAN
Bluetooth
2xRS-232
4xRS-232
Windows® 7 Pro
Windows® 8.1 Pro
Windows® 10 Pro

Mechanical & environmental

Housing	Closed Mini-ITX, fanless, aluminium / steel
Temperature (operation)	From +5°C to +40°C
Temperature (storage)	From -10°C to +60°C
Cooling	Direct channel heatpipe / fanless
Dimension (L x H x W)	260 x 85 x 240 mm
	Weight 4 KG
Humidity (operating)	15 % - 85 % (non-condensing)
Humidity (storage)	5 % - 90 % (non-condensing)
Air Pressure (operating)	700 hPa - 1075 hPa
Air Pressure (storage)	700 hPa - 1075 hPa
Production Standard	Manufactured in Germany according to ISO 9001