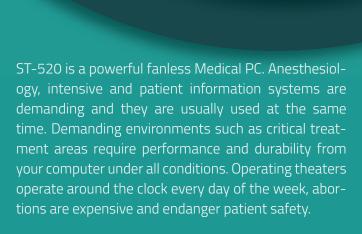# MERADIS
ST-520 MEDICAL COMPUTER

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

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ST-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.

MEDARIS ST-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.

ST-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 or i7 MEDICAL COMPUTER/4-16 GB, 120-256 GB SSD, WLAN

Powerful Medical-PC for demanding environments

TECHNICAL INFO

Intel core i7-7700T, i5-7500T, i3-7101TE, i7-6700T, i5-6600T, i3-6100T
4-32 GB RAM DDR4
120-480 GB SSD hard drive
1x HDMI, 1x Display Port,
2x USB 2.0, 4x USB 3.0, 2x LAN,
2xRS-232, Audio In/Out,
Win 7-10
EN60601-1, EN60601-1-2
OPTIONS
DVD-RW Drive, TPM 2.0, 3xFirewire, WLAN, Bluetooth
2xRS-232
Takuu 3 vuotta ja takuulaajennuksen jälkeen 5 vuotta

MERADIS ST-520 MEDICAL COMPUTER

CPU	Intel® Core™ i7-7700T 2.9 to 3.8 Ghz, 8 MB Cache
	Intel® Core™ i5-7500T 2.7 to 3.3 Ghz, 6 MB Cache
	Intel® Core™ i3-7101TE 3.4 Ghz, 3 MB Cache
	Intel® Core™ i7-6700T 2.9 to 3.6 Ghz, 8 MB Cache
	Intel® Core™ i5-6600T 2.7 to 3.5 Ghz, 6 MB Cache
	Intel® Core™ i3-6100T 3.2 Ghz, 3 MB Cache
Motherboard	Gigabyte GA-Q170TN-TPM2.0
Memory	4 to 32 GB maximum, DDR4 - 2133 MHz Dual Channel
Sound	Intel HD Audio
External I/O	4x USB 3.0
	2x USB 2.0
	2x RS-232
	1x Display Port
	1x HDMI
	Audio In/Out
	VGA possible via adapter
Storage HDD	120 GB
	1x M-SATA SSD
	1x 2,5' SSD or HDD
Operating system	Windows® 7 Pro
	Windows® 8.1 Pro
	Windows® 10 Pro
Cleanable	Yes
Internal slot	2x RS-232/422/485
	1xPCI-e x4
	1xMini-PCIe
	1xMini-PCIe Halfsize
Drive Bays	External: 1 x Slim 5.25"; internal: 1 x 2.5"
LAN	2x Gigabit Lan Intel® i210 + Intel® i219LM (10/100/1000mbit), 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, EN 60601-1 :2006, EN60601-1-2 :2007

OPTIONS

240 GB SSD, 480 GB SSD
DVD- RW Drive
TPM 2.0
3xFirewire
WLAN
Bluetooth
Windows® 7 Pro
Windows® 8.1 Pro
Windows® 10 Pro

Mechanical & environmental

Housing	Closed Mini-ITX, fanless, aluminium / steel
Temperature (operation)	From +0°C to +40°C
Cooling	Direct channel heatpipe / fanless
Dimension (L x H x W)	268 x 95 x 258 mm
	Weight 5 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