AESCU.certus²

Medical Hygienic Workstation

- ✓ **Universally Applicable**
- ✓ **Hygienic Design**
- ✓ **OP, Intensive Care**

AESCU.certus² Medical Hygienic Workstation

Hygienic & Noiseless

Universal desktop PC, industrial grade for use in hygiene sensitive applications. No germ-swirling and no noise emission thanks to the fanless cooling concept, ideal for use in the operating room, intensive care unit, laboratory, clean room requirements as well as in audiometry and polysomnography.

Scalable Performance

No need to compromise: through the various processor/memory configurations and the broad range of options, the AESCU.certus² adapts to the requirements of your application and budget.

Safety Tested Design

The power supply unit, tested and approved according to EN 60601-1 and EN 60601-1-2, the potential equalization bolt and the optional galvanic isolation of the serial interfaces ensure the protection of patients and personnel.

Robust & Reliable

The robust, powder-coated steel sheet housing as well as the use of industrial grade components ensure high operational reliability even in 24/7 continuous operation. The optional IP65 interface cover protects the AESCU.certus² reliably against penetrating cleansers, even on intensive cleaning.

MCD Extra Warranty

For this reason, as a standard feature we offer a three-year warranty on the products of the MCD Medical Line, which can be extended to five years.
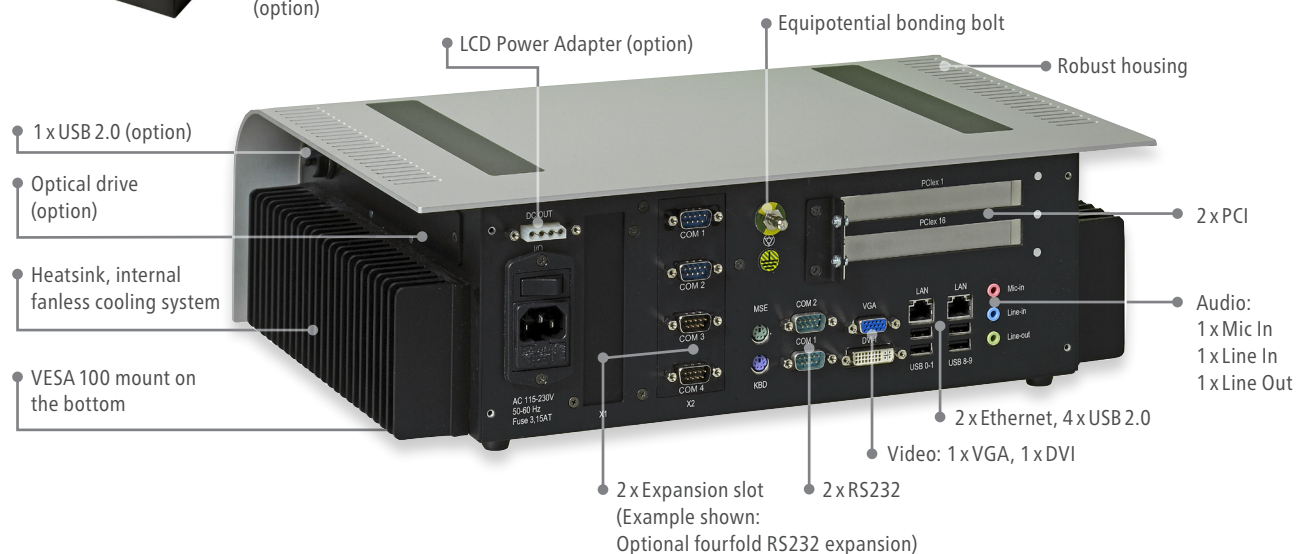
MCD Medical Line

MCD — Medical Devices + Solutions

Technical Data

Systemboard	
CPU	3rd. Generation Intel® Core™ i3/i5/i7
Chipset	Intel® QM67 PCH Chipset
RAM	Max. 16 GB
RAM-Typ	DDR3 SO-DIMM (Single/Dual)
Cooling	Heatpipe, no fans

Drives	
HDD / SDD	Max. 2 x 2,5" SATA-III
RAID	Level 0/1, onboard

Video / Audio	
Graphics	Intel® GMA5750MHD
Audio	ALC262 HD Audio

Interfaces	
USB	4 x USB 2.0, expandable up to 8 x USB 2.0
PS/2	1 x Keyboard, 1 x Mouse
Video	1 x DVI-I, 1 x VGA
LAN	1 x 10/100/1000 (Intel 82579LM) 1 x 10/100/1000 (RTL8111DL)
COM	2 x RS232, expandable up to 6 x RS232
Audio	1 x Mic In, 1 x Line In, 1 x Line Out
PCI	1 x PCIex16, 1 x PCIex1

Power Supply	
Internal	100 - 230 V AC, max. 100 W

Potential Equalization	
Equipotential bonding bolt according to DIN 42801	

Environmental Conditions	
Operating	Temperature +10 °C ... +30 °C Humidity 10 % ... 85 %, non condensing
Storage	Temperature -20 °C ... +60 °C Humidity 10 % ... 85 %, non condensing

Housing	
Material	Aluminium
Color	Silver, black, green
Protection Class	Up to IP65 (with option)
Dimensions	425 x 125 x 275 mm (W x H x D)
Weight	Approx. 5,5 kg (depending on options)
Mounting	VESA 100 on the bottom

Operating System	
Windows™ 7, 10, Linux (others on request)	

Conformity	
CE, EN IEC 60601-1, EN IEC 60601-1-2	

Options	
Optical drive DVD±RW	
24x7-graded 2,5" HDD/SSD	
LCD Power Adapter	
Framegrabber	
IP65 interface cover	
IP65 USB connector (side mounted)	
RS232 extension, up to 4 x RS232, galvanically isolated	

Optional Accessories (not included)	
Hygienic keyboard, hygienic mouse	

AESCU.certus² and IP65 interface cover (option)

LCD Power Adapter (option)

Equipotential bonding bolt

Robust housing

1 x USB 2.0 (option)

Optical drive (option)

Heatsink, internal fanless cooling system

VESA 100 mount on the bottom

2 x PCI

Audio:
1 x Mic In
1 x Line In
1 x Line Out

2 x Ethernet, 4 x USB 2.0

Video: 1 x VGA, 1 x DVI

2 x RS232

2 x Expansion slot (Example shown: Optional fourfold RS232 expansion)

TÜVRheinland CERTIFIED

Management System EN ISO 13485:2012
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