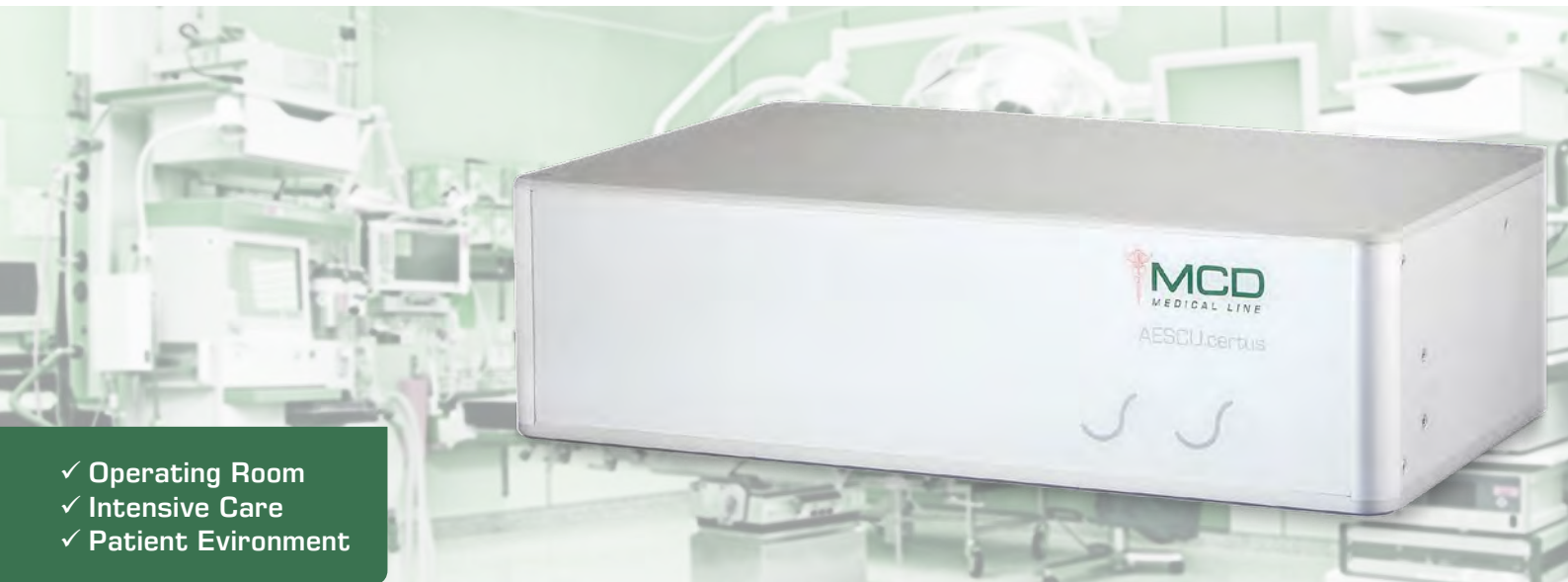# AESCU.certus³

Hygienic Medical Workstation

✓ **Operating Room**
✓ **Intensive Care**
✓ **Patient Evironment**

AESCU.certus³ - Cool Design, Strong Features

Applications

AESCU.certus³ is a high-performance hygienic workstation which proves itself in the OR, in the intensive care area as well as in all hygienically demanding applications. Due to the wide range of performance and hardware options the AESCU.certus³ is the optimal front end workstation for applications in KIS, RIS, PACS and PDMS systems, which locally require high connectivity and computing power.

Convincing Facts

- High cost-effectiveness due to numerous hardware variants
- High operational reliability in continuous operation through 24/7 tested industrial components
- Newly developed housing concept achieves protection class up to IP65 / IP54
- High hygienic factor due to fanless cooling and the closed safety glass front with capacitive keys
- Optional, externally accessible removable frame system
- Easy system integration with PCIex, RS232 interfaces as well as WiFi and Bluetooth (options)
- High security of investment through long product availability and PLM support (Product Life Cycle Management)
- Design and production in Germany - QMS certified according to ISO 13485

Individual Solutions

The AESCU.certus³ opens up new possibilities: The new, modularity-based device concept allows for wide-ranging adaptations to your requirements. In this way we create individual solutions that are optimally adapted to your application. Challenge us! We are happy to check the technical and economic feasibility and make you a non-binding offer.

MCD Medical Line

MCD *Medical Devices + Solutions*

Technical Data (Preliminary)

Systemboard

CPU	Intel® Core™ i3/i5/i7, 6th or 7th generation
Chipset	Intel® Q170 Express Chipset
RAM	Max. 32 GB
RAM Type	DDR4 SO-DIMM (Single/Dual)
Cooling System	Passive, no fans

Laufwerke

HDD / SSD	2 x 2,5" SATA-III
RAID	Level 0/1, onboard

Video / Audio

Graphics	Intel® HD Graphics (depending on CPU), onboard
Audio	Realtek ALC671, 5.1 HD Audio

Interfaces

USB	4 x USB 3.0, 4 x USB 2.0
PS/2	1 x keyboard, 1 x mouse
Video	2 x DisplayPort V1.2, 1 x DVI-D
LAN	2 x Ethernet 10/100/1000 (vPro Support)
COM	1 x RS232
PCI	2 x PCIex, 16 Lanes (Lane-Split 8+8)
Audio	1 x Line In, 1 x Line Out

Power Supply

Internal	230 V AC, 50/60 Hz, max. 200 W

Housing

Material, Color	Systemhousing aluminium, brushed and anodised. Front: Safety glass, RAL 9003 (white)
Protection Class	IP65, IP20 on the rear (IP54 with optional interface cover)
Dimensions	390 x 117 x 250 mm (B x H x T) (incl. feet)
Weight	Approx. 6,75 kg (depending on options)
Mounting	VESA 100 in the base plate

Environmental Conditions

Operating	Temperature +10 °C ... +35 °C Humidity 10 % ... 85 %, non condensing
Storage	Temperature -20 °C ... +60 °C Humidity 10 % ... 85 %, non condensing

Potential Equalization

Equipotential bonding bolt according to DIN 42801

Operating System

CPU 6th generation: Windows® 7, Windows® 10, Linux®, IGEL®OS

CPU 7th generation: Windows® 10, Linux®, IGEL®OS

Conformity

CE, EN 60601-1, EN 60601-1-2

Options

Removable frame with side access (up to 2 x 2,5" SATA-III)

USB 3.0 connector on the side (with removable frame option only)

IP54 interface cover

Internal speaker

WiFi, Bluetooth®

Framegrabber

24/7 HDD/SSD, mSATA-drive

RS232 extension up to 4 x RS232, optional isolated (4 kV)

LCD Power Adapter (12 V DC, 4 A, for connection of ext. displays)

Three hotkeys (capacitive keys) on the front (function assignment on request)

Accessories (not included)

Hygienic keyboard, hygienic mouse

Galvanic network isolation

Galvanic RS232 isolation (4 kV)

Customized Designs

Thanks to the flexible hardware concept, we can adapt the AESCU.certus³ to your specifications if appropriate quantities are purchased. Please ask - we like to check the technical and economic feasibility.

Optional USB 3.0 interface on the right (only in combination with the removable frame option)

Milled cooling fins in the base plate guarantee safe heat dissipation

Option removable frame for up to 2 x 2.5" HDD / SSD

12 V DC Output (LCD Power Adapter, Option)
RS 232C Equipotential Bolt 2 x PCI Slots

PS/2 Keyboard, Mouse

Audio: Line-In, Line Out
2 x LAN, 4 x USB 2.0

1 x DVI-D, 2 x DisplayPort
4 x USB 3.0

TÜVRheinland CERTIFIED

Management System EN ISO 13485:2012
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