The CEF-Quantum2 is a high performance 2U industrial PC for extreme conditions.

Durability, maintainability and usability are the key features of CEF-Quantum2. Service activities can be performed without interrupting the operation of the device.

**Key Benefits**

- The overpressurized case equipped with an air filter guarantees that dirt and dust do not reduce performance and sustainability even in the most challenging operating conditions.
- The CEF-Quantum2 includes a wide range of alarm and warning features enabling proactive detection of failures and malfunctions at an early stage.
- Good expandability, small installation dept and several performance options complete the packaging making the CEF-Quantum2 the most versatile 2U industrial PC on the market.
- Can be serviced without interrupting the operation, bringing cost savings.

The CEF-Quantum2 is a rackmount industrial PC, recommended for automation controlling and monitoring systems and servers:

- Equipped with an air filter and over pressurized active cooling
- All fans and hard disks hot swappable (raid)
- Low 380 mm installation height
- Up to 5 pcs PCI and/or PCIe extra card bays
- 115/230VAC or 24VDC power supply
- Up to four additional HDD or SSD bays
- Intel Celeron - Intel Xeon performance alternatives
CHASSIS

Dimensions: 426 mm x 88 mm x 379 mm (w x h x d)
Weight: approx. 11 kg
Protection: IP20, overpressurized case
Cooling: Hot-Swap device and processor fan
Installation: Table and 19” rack

FEATURES

Motherboard: PICMG 1.3
Memory: Max. 16GB DDR3 1333Mhz (also ECC)
Host board: Intel C206
Processor: Intel Celeron - Intel Xeon
Graphics card: Integrated (XGI Volari ja Intel® IGE)
Network card: Integrated (Intel® 82574L)
Sound card: Optional (Realtek® ALC662)
Hard disk: Max. Hot-Swap 4 x 2.5” SATA (optional shock damping system)
Extension slots: 1 x PCIe x16, 1 x PCIe x4, 3 x PCI
Remote Control: iAMT 7.0 support
Power source: 200W (115/230 VAC) or 170W (18-36 VDC)
Alarm outputs: Power-ok, Temp-alarm, Cooler-ok, 5x6 GPIO-output
Standard interfaces: 115/230VAC or 18-36VDC, 1 x DVI-I (also possible to plug in VGA), 2 x GB LAN, 2 x USB
Card readers: Integrated SD card readers
RAID: Integrated Intel SATA RAID 0/1/5/10
Optical driver: Optional DVD-RW

OPTIONAL INTERFACES

5.1 Audio 1 x HDMI
1 x PS/2 4X RS-232
5 x USB Alarm outputs

RELIABILITY

Operating temperature: 0 °C - +50 °C
Storage temperature: -20 °C - +80 °C
Certificates: CE and ROHS