The CEF-Quantum4 is a high performance 4U industrial PC for extreme conditions.

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

Key Benefits

- The Hot-Swap fans and hard disks enable service activities without interrupting the operation of the device
- The over pressurized case equipped with an air filter guarantees that dirt and dust do not reduce the performance and durability even in the most challenging operation conditions.
- The CEF-Quantum4 includes a control unit enabling proactive detection of failures and malfunctions at an early stage.
- Good expandability and several performance options complete the package making the CEF-Quantum4 the most versatile 4U industrial PC in the market.

The CEF-Quantum4 is a rackmount industrial PC, recommended for automation controlling and monitoring systems and servers

- Supports Intel® Xeon® and i3/i5/i7 processors (LGA1155 socket)
- High speed dual gigabit Ethernet based on PCI Express X1, high bandwidth I/O interface
- Max. 16 GB DDR3 1333MHZ (also EEC)
- Max. 12 x 2,5" SATA HOT-SWAP SSD
- IAMT 7.0 support
- Overpressurized case equipped with air filter
CHASSIS

Dimensions: 483 mm x 176,5 mm x 507 mm (w x h x d) , 4U
Weight: approx. 15 kg
Protection: IP20, overpressurized case, equipped with air filter
Cooling: Active cooling fitted with Hot-Swap device fan
Installation: Table and 19” rack

FEATURES

Motherboard: PICMG 1.3
Memory: Max. 16GB DDR3 1333Mhz (also ECC)
Processor card: Intel Celeron - Intel Xeon
Graphics card: Integrated (XGI Volari ja Intel® IGE)
Network card: Integrated (Intel® 82574L)
Sound card: Optional (Realtek® ALC662)
Hard drive: Max. 12 x 2,5” SATA Hot-Swap SSD
Max. 2 x 2,5” SATA (optional shock damping system)
Max. 1 x 3,5” SATA (optional shock damping system)
Extension slots: Max 13 PCI and/or PCIe
Remote Control: iAMT 7.0 support
Power source: 300W (115/230 VAC) or 250W (18-36 VDC)
Alarm outputs: Power-OK and Temp-alarm
RAID: Integrated Intel SATA RAID 0/1/5/10
Optical driver: Optional DVD-RW
Standard interfaces: 115/230VAC, 18-32 VDC or 110 VDC input, 1x DVI-I (also possibility to plug in VGA), 2 x RS-232, 2 x GB LAN, 6 x USB

OPTIONAL INTERFACES

5.1 Audio
1 x HDMI
1 x PS/2
2 X RS-232 (4 RS-232 altogether)

Alarm outputs (Power-ok, Temp-alarm and 5 x GP10)

RELIABILITY

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