Scalable Rackmount System for challenging or noise sensitive environments

- Industrial grade for challenging environments – robust, reliable and sustainable
- High processing capability
- Modular concept allows easy customization
- Low noise design (<= 35 dbA)
Kontron’s KISS rackmount servers are designed and tested for challenging environments, and are therefore the perfect fit for high temperature and mechanical stress conditions. Industrial grade design, in combination with high processing performance allows industrial applications requiring high performance and storage capabilities, e.g. high-end image processing and SCADA/MES applications. The new KISS rackmount servers are ideally suited even for complex computing tasks such as ‘Artificial Intelligence’ (AI) and machine learning based on processing and analytics of a huge amount of data.

TECHNICAL INFORMATION

SYSTEM
KISS 4U V3 PCI763

DIMENSION
177 x 482 x 472 mm (4U x 19" x 18.58")

WEIGHT
Approx. 18 kg

PROCESSOR
7th Gen Intel® Core™ i7/i5/i3 series

RAM
2x DIMM DDR4-2400 up to 32 GByte ECC support

FRONT I/OS
2x USB 2.0

REAR I/OS
2x USB 3.0, 2x GB LAN, 1x DVI-I
2x RS232 on Slotbracket

DRIVE OPTIONS
3x 5.25” SATA drive bays
1x 2.5” / 3.5” SATA drive internal RAID support

POWER SUPPLY
100-240 V AC 600 W (80+)

EXPANSION SLOTS
12 Slots (Full High): 5x PCIe (Gen 2), 7x PCI 32 bit

EXPANSION CARDS
NVIDIA Quadro P620, 2x GByte LAN, 2x 10 GByte LAN, others on request

CERTIFICATIONS
CE, FCC, NRTL (UL 62368-1), CB (IEC 62368-1)

ALTITUDE
5000 m operating

SHOCK
Operating: 15 G 11 ms duration
Non-operating: 30 G 11 ms duration

VIBRATION
Operating: 10-150 Hz: 1G/3 axis
Non-operating: 10-150 Hz: 2G/3 axis

OPERATING TEMPERATURE
0 °C to +50 °C continuous operation

STORAGE TEMPERATURE
-20 °C to +70 °C

HUMIDITY
10 % to 93 % @40 °C, non-condensing

MTBF
> 50.000 h

VERIFIED OS
Windows 10 64 bit LTSC
Linux Ubuntu 18.04
others on request

*) no HDD