KISS 1U Short V3 CFL

Scalable Rackmount System for challenging and noise sensitive environments

- Industrial grade for challenging environments – robust, reliable and sustainable
- High processing capability with 8th/9th Gen Intel® Core™ i7/i5/i3
- Modular concept allows easy customization
- Low noise level

POSSIBILITIES START HERE kontron

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Kontron's KISS rackmount systems 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 systems 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.

Efficient thermal concepts, maintenance-free and customizable designs, high performance computing and graphics power enable 24/7 operation and long-term deployment. A high degree of customization is facilitated through features like removable drives and various expansion cards.

TECHNICAL INFORMATION

SYSTEM	KISS 1U Short V3 CFL
DIMENSION	44 x 482 x 350 mm (1U x 19" x 13.78")
WEIGHT	Approx. 6 kg
PROCESSOR	8th/9th Gen Intel® Core™ i7/i5/i3 series
CHIPSET	Intel® C246 Express Chipset
RAM	4x DIMM DDR4-2666 up to 64 GByte
FRONT I/Os	2x USB 2.0, optional 2x USB 3.0
REAR I/OS	4x USB 3.1, 4x USB 2.0, 2x GB LAN, 1x DVI-D, 2x DP 1x RS232, 1x Mouse, 1x Kbd, 1x Audio
DRIVE OPTIONS	1x DVD R/W slim 1x 3.5" SATA drive bay 1x M.2 2280 PCIe drive RAID support
POWER SUPPLY	100-240 V AC 400 W (80+)
EXPANSION SLOTS	1 Slot PCIe x16 (Low Profile)
EXPANSION CARDS	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* ACCORDING TO EN 60068-2-27	Operating: 15 G 11 ms duration Non-operating: 30 G 11 ms duration
VIBRATION ACCORDING TO EN 60068-2-6	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 others on request

*) no HDD

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