KISS 2U V4 ADL

Scalable Rackmount System for challenging or noise sensitive environments

> Industrial grade for challenging environments – robust, reliable and sustainable

> High processing capability: up to 12th/13th Gen Intel® Core™ i9/i7/i5/i3

> Modular concept allows easy customization

> Low noise design

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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.

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 Data

SYSTEM	KISS 2U V4 ADL
DIMENSION	With Handle Brackets: 88 mm x 482 mm x 430 mm (2U x 19" x 16.93") Without Handle Brackets: 88 mm x 432 mm x 430 mm (2U x 17" x 16.93")
WEIGHT	Approx. 8 kg
PROCESSOR	12th/13th Gen Intel® Core™ i9/i7/i5/i3 series
RAM	4x DIMM DDR5 up to 128 GByte. optionally ECC support - CPU dependent
FRONT I/OS	2x USB 3.0
REAR I/OS	4x USB 3.2 Gen1, 2x USB 3.2 Gen 2, 1x USB 3.2 Gen 2 (Type-C with locking option), 1x GB LAN, 2x 2.5 GB LAN, 4x DP 1x RS232, 1x Audio
DRIVE OPTIONS	1x DVD R/W slim 2x 3,5" drive bay 1x 2.5"/3.5" SATA drive internal 2x M.2 2280 PCIe drive RAID support
POWER SUPPLY	100-240 VAC 400 W (80+), optionally 550 W redundant PSU
EXPANSION SLOTS	6 Slots PCIe, 1 Slot PCI (Low Profile) or 3 Slots PCIe (Full Height) or 3 Slots PCIe (Full High)
EXPANSION CARDS	NVIDIA Quadro T1000, 2x GByte LAN, 2x 10 GByte LAN, others on request
CERTIFICATIONS	CE (EN 62368-1), 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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