

KISS 1U 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 13th / 14th Gen Intel® Core™ i9/i7/i5/i3
- Modular concept allows easy customization
- Low noise design

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.

SYSTEM	KISS 1U V4 ADL Lockable front flap on request
DIMENSION	With Handle Brackets: 44 mm x 482 mm x 430 mm (1U x 19" x 16.93") Without Handle Brackets: 44 mm x 432 mm x 430 mm (1U x 17" x 16.93")
WEIGHT	Approx. 6 kg
PROCESSOR	13th / 14th Gen Intel® Core™ i9/i7/i5/i3 series
RAM	2x DIMM DDR5 up to 64 GByte
FRONT I/OS	2x USB 3.2
REAR I/OS	3x USB 3.2 Gen2 Type A, 2x USB 3.2 Gen 1, 1x USB 3.2 Gen 2 (Type-C with locking option), 2x USB 2.0, 1x GB LAN, 1x 2.5 GB LAN, 4x DP, 1x RS232, 1x Audio
DRIVE OPTIONS	front access 1x 3.5" removable drive 1x 2.5" removable drive 1x 3.5" fixed drive 1x 2.5" fixed drive 2x DA225 (2x 2.5" removable) 2x DA225R (2x 2.5" removable with RAID) Internal up to 2x 2.5" SATA drive 1x M.2 2242 (Key-M, PCIe/NVME SSD modules) 1x M.2 2230 ((Key-E, WLAN/Bluetooth modules, incl. CNVi support)
POWER SUPPLY	100-240 VAC 400 W (80+)
EXPANSION SLOTS	1 Slots PCIe x16 full height, full length, 2nd slot on request
EXPANSION CARDS	NVIDIA RTX A1000, 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 11 64BIT LTSC Linux others on request

*) no HDD

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