

KISS 4U V4 RPL



Scalable Rackmount System for challenging or noise sensitive environments

- Industrial grade for challenging environments – robust, reliable and sustainable
- High processing capability: 14th Gen Intel® Core™ i9/i7/i5/i3
- Whisper quiet operation
- Modular concept allows easy customization

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 SCA-DA/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 Information

SYSTEM	KISS 4U V4 RPL
DIMENSION	175,5 x 482 x 442 mm (4U x 19" x 17,4")
WEIGHT	Approx. 16 kg
PROCESSOR	14th Gen Intel® Core™ i9/i7/i5/i3 series
RAM	4x UDIMM DDR5 up to 192 GByte, optionally ECC support – CPU dependent
FRONT I/O	2x USB 3.0
REAR I/O	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	Slim DVD drive bay 4x drive bays for 3.5" and/or 2.5" SATA drives, optional removable Up to 2x 2.5" SATA drives internal 2x M.2 2280 PCIe drive RAID support
POWER SUPPLY	100-240 VAC 600 W (80+), optionally 100-240 VAC 850W (80+); 550 W redundant PSU
EXPANSION SLOTS	6 Slots PCIe, 1 Slot PCI all full height, full length
EXPANSION CARDS	NVIDIA A400, NVIDIA A1000 NVIDIA RTX A2000 Ada, NVIDIA RTX A4000 Ada 2x1GB LAN, 4x1GB LAN, 2x 10GB LAN
SAFETY	EN/IEC/UL 62368-1
EMC	EN 55032 Class B, EN 55035, EN 61000-6-2
CERTIFICATES	CB Scheme, NRTL (TÜV SÜD)
COMPLIANCE	CE, UKCA
ALTITUDE	5000 m operating
SHOCK* ACCORDING TO EN 60068-2-27	Operating: 15 G Half sine Non-operating: 30 G Half sine
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 64 bit LTSC Linux Debian

*no HDD

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