

# KISS 4U V3 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

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

<b>SYSTEM</b>	KISS 4U V3 ADL
<b>DIMENSION</b>	177 x 482 x 472 mm (4U x 19" x 18.58")
<b>WEIGHT</b>	Approx. 18 kg
<b>PROCESSOR</b>	12th/13th Gen Intel® Core™ i9/i7/i5/i3 series
<b>RAM</b>	4x DIMM DDR5 up to 128 GByte, optionally ECC support - CPU dependent
<b>FRONT I/OS</b>	2x USB 3.0
<b>REAR I/OS</b>	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
<b>DRIVE OPTIONS</b>	3x 5.25" SATA drive bays 1x 2.5"/3.5" SATA drive internal 1x M.2 2280 PCIe drive RAID support
<b>POWER SUPPLY</b>	100-240 VAC 600 W (80+), optionally 500 W redundant PSU
<b>EXPANSION SLOTS</b>	6 Slots PCIe, 1 Slot PCI all full height, full length
<b>EXPANSION CARDS</b>	NVIDIA Quadro T1000, 2x / 4x GByte LAN, 2x 10 GByte LAN, others on request
<b>CERTIFICATIONS</b>	CE (EN 62368-1), FCC, NRTL (UL 62368-1), CB (IEC 62368-1)
<b>ALTITUDE</b>	5000 m operating
<b>SHOCK* ACCORDING TO EN 60068-2-27</b>	Operating: 15 G 11 ms duration Non-operating: 30 G 11 ms duration
<b>VIBRATION ACCORDING TO EN 60068-2-6</b>	Operating: 10-150 Hz: 1G/3 axis Non-operating: 10-150 Hz: 2G/3 axis
<b>OPERATING TEMPERATURE</b>	0 °C to +50 °C continuous operation
<b>STORAGE TEMPERATURE</b>	-20 °C to +70 °C
<b>HUMIDITY</b>	10 % to 93 % @40 °C, non-condensing
<b>MTBF</b>	> 50.000 h
<b>VERIFIED OS</b>	Windows 10 64 bit LTSC Linux others on request

\*) no HDD

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