

KWS 3000-ADL



Workstation for challenging and powerful applications

- Powerful workstation for machine learning, AI workflows and graphics-hungry applications
- Industrial-grade: shock/vibration resistant, 24/7, long-term availability
- Scalable processor performance based on 13th / 14th Intel® Core™
- Easy Customization
- Compact size: 380 x 190 x 380 mm (H x W x D)

Kontron's KWS 3000-ADL is optimized for applications that require high computing power and graphics capability while tolerating no compromise in reliability, long-term availability and flexibility. Applications such as machine learning or AI workflows with performance-hungry processes and large amounts of data are handled effortlessly thanks to 13th/14th Gen Intel® processors and powerful GPUs and graphics cards, which can be freely selected as add-on cards. The KWS 3000-ADL offers

best performance and scalability in a compact Midi Tower case, combined with outstanding features regarding memory, drive configurations and power supply options.

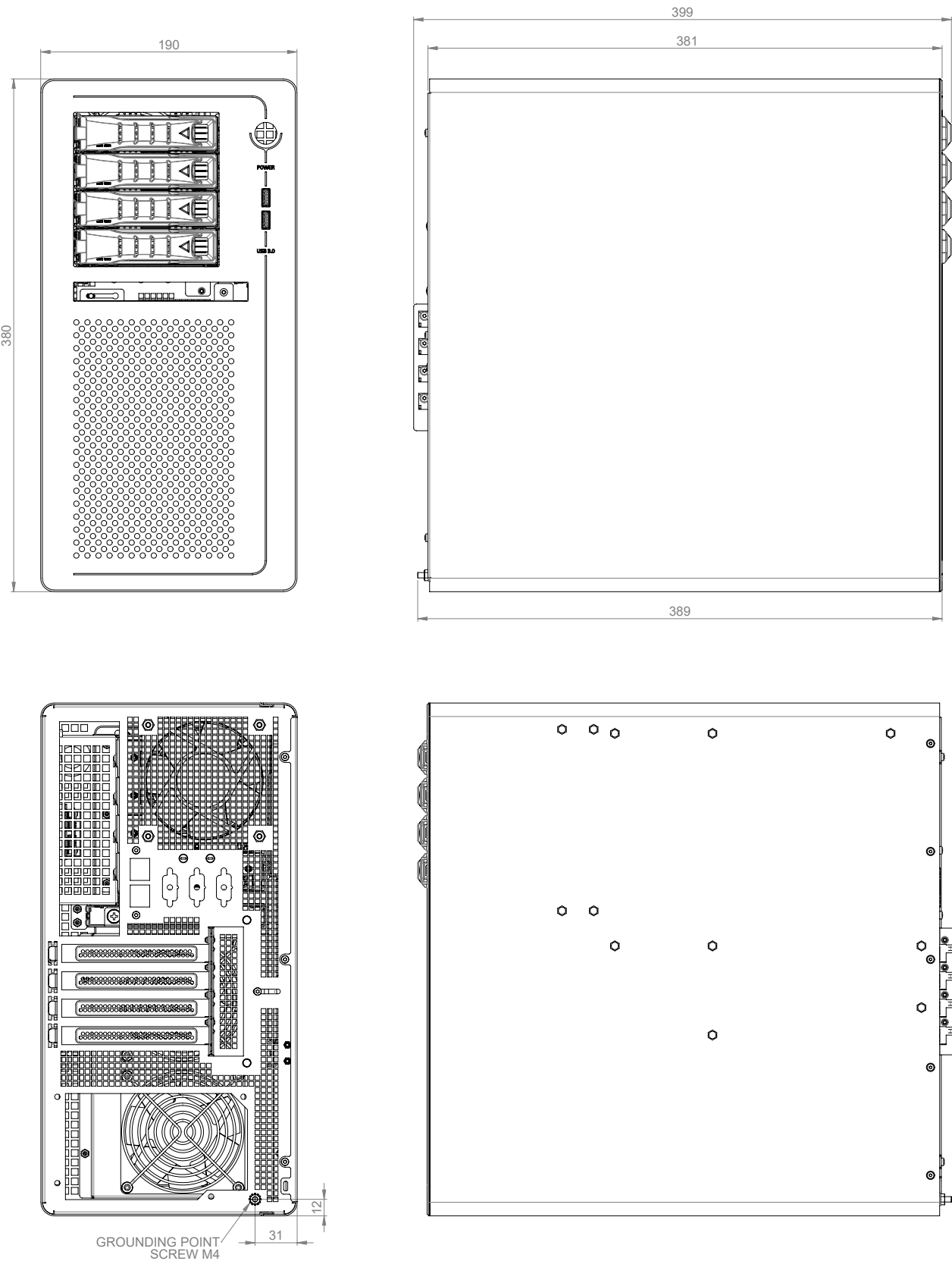
Efficient thermal cooling and customizable design enable 24/7 operation at 45 °C.

KWS 3000-ADL can be adapted easily to your applications and demands.

Technical Information

SYSTEM	KWS 3000-ADL
DIMENSION (W x H x D)	190 x 380 x 380 mm (7.48" x 14.96" x 14.96")
WEIGHT	Approx. 14 kg
PROCESSOR	13th / 14th Gen Intel® Core™ i9/i7/i5/i3 series (Intel® Core™ i3-13100E/i5-13500E/i7-13700E/i9-13900E)
CHIPSET	Q670E
RAM	4x UDIMM DDR5-4800 up to 128 GByte
TPM	TPM 2.0 on board
FRONT I/OS	2x USB 3.0
REAR I/OS	1x 1 Gigabit LAN, 2x 2.5 Gigabit LAN, 4x USB 3.2 Gen1, 2x USB 3.2 Gen2, 1x USB-C, 4x DP1.4a, 1x RS232, Line-in, Line-out, MIC-in
DRIVE OPTIONS	up to 4 x 3.5" SATA drive bays hot swap or internal, optional 1x SLIM DVD RAID support 0/1/5/10
M.2	2x M.2 2230/2242/2280 (Key-M, PCIe/NVME SSD modules), incl. NVME RAID support 1x M.2 2230 (Key-E, WLAN/Bluetooth modules, incl. CNVi support)
POWER SUPPLY	100-240 V AC 400 W/750 W, 100-240 V AC redundant 700 W
EXPANSION SLOTS	PCIe x16: 1x 16 lanes, Gen5/1x 4 lanes, Gen4 PCIe x1: 1x Gen3, "open slot"/1x Gen4, "closed slot"
EXPANSION CARDS	NVIDIA RTX A1000, RTX 30xx, 2/4 x GByte LAN, 2x 10 GByte LAN, RAID Controller, 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: 10 G 11 ms duration Non-operating: 20 G 11 ms duration
VIBRATION ACCORDING TO EN 60068-2-6	Operating: 10-150 Hz: 0.5G/3 axis Non-operating: 10-150 Hz: 1G/3 axis
OPERATING TEMPERATURE	0 °C to +45 °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

*) no HDD





About Kontron

Kontron AG (www.kontron.com, ISIN AT0000A0E9W5, WKN A0X9EJ, KTN) is a leading IoT technology company. For more than 20 years, Kontron has been supporting companies from a wide range of industries to achieve their business goals with intelligent solutions. From automated industrial operations, smarter and safer transport to advanced communications, connectivity, medical, and energy solutions, the company delivers technologies that add value for its customers. With the acquisition of Katek SE in early 2024, Kontron significantly strengthens its portfolio with the new GreenTec division, focusing on solar energy and eMobility, and grows to around 7,000 employees in over 20 countries worldwide. Kontron is listed on the SDAX® and TecDAX® of the German Stock Exchange.

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