

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 Gen 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 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.

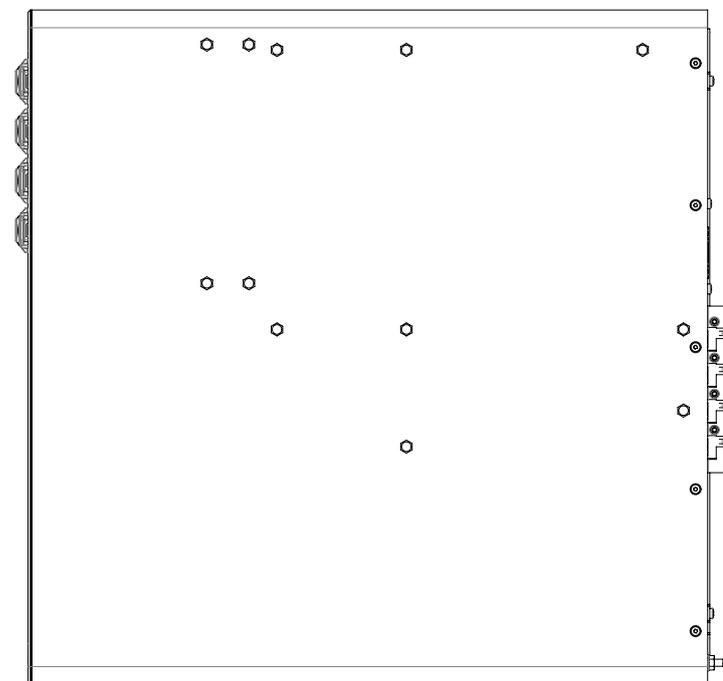
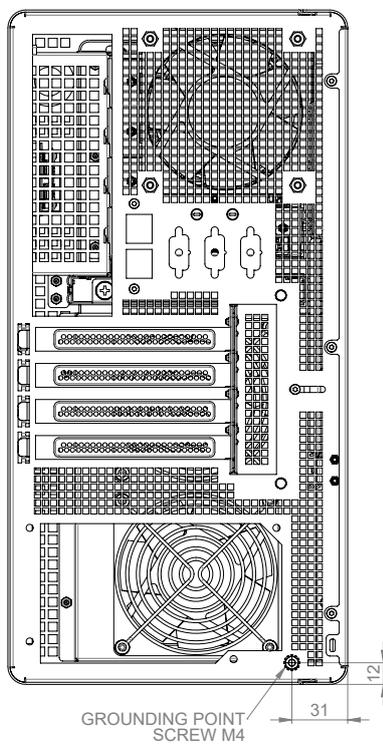
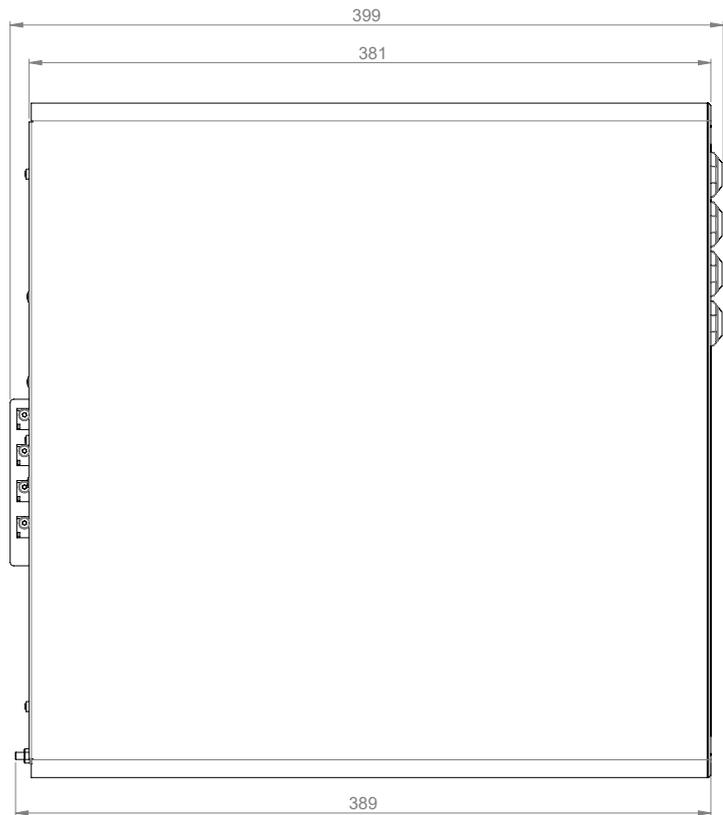
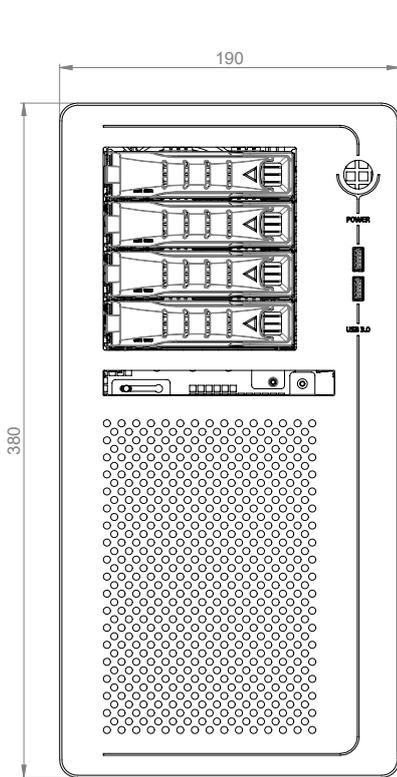
Efficient thermal cooling and customizable design enable 24/7 operation at 45 °C.

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 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 T1000, 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 10 64 bit LTSC

*) no HDD





About Kontron

Kontron is a global leader in IoT/Embedded Computing Technology (ECT) and offers individual solutions in the areas of Internet of Things (IoT) and Industry 4.0 through a combined portfolio of hardware, software and services. With its standard and customized products based on highly reliable state-of-the-art technologies, Kontron provides secure and innovative applications for a wide variety of industries. As a result, customers benefit from accelerated time-to-market, lower total cost of ownership, extended product lifecycles and the best fully integrated applications.

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