

# KWS 3000-ADL

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## 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 12th Gen Intel® Core™
- ▶ Easy Customization
- ▶ Compact size: 380 x 190 x 380 mm (H x W x D)

POSSIBILITIES START HERE



## KWS 3000-ADL

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 12th 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.

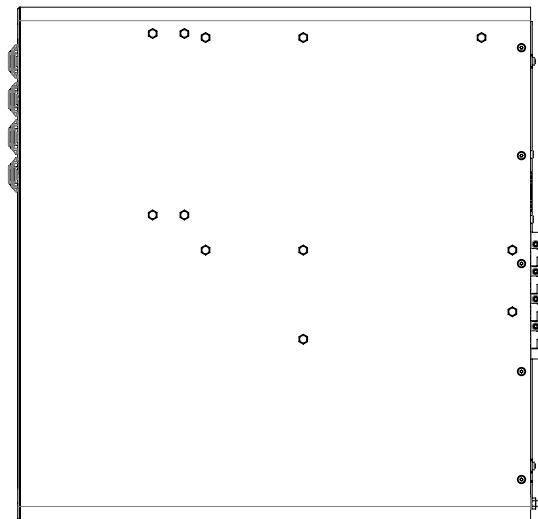
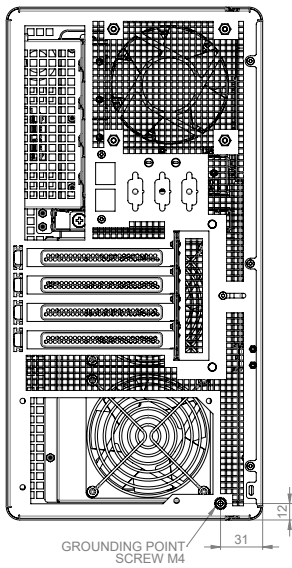
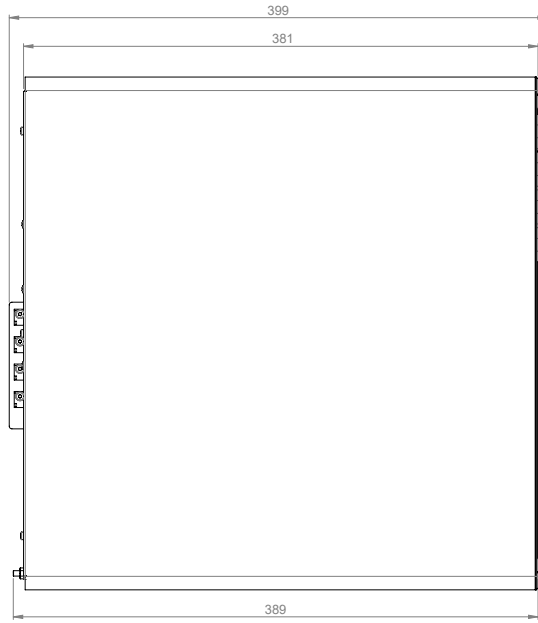
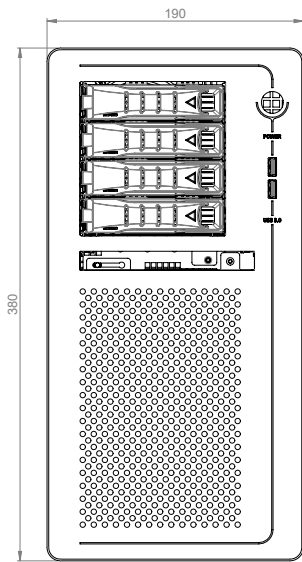
Efficient thermal cooling and customizable design enable 24/7 operation at 45 °C.

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                              | 12th Gen Intel® Core™ i9/i7/i5/i3 series                                                                                         |
| 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<br>RAID support 0/1/5/10                               |
| M.2                                    | 1x M.2 (Key E, 2230) with PCIe x1, USB 2.0 and CNVi for Wireless<br>1x M.2 (Key M, 2230/2242/2280) incl. NVM support             |
| POWER SUPPLY                           | 100-240 V AC 400 W/750 W, 100-240 V AC redundant 700 W                                                                           |
| EXPANSION SLOTS                        | 2 x PCIe Gen3 Slots (PCIe1/PCIe2: single at x16 (PCIe1); dual at x8 (PCIe1)/x8 (PCIe3))<br>2 x PCIe x4 (Gen 3)                   |
| EXPANSION CARDS                        | NVIDIA RTX 30xx, 2/4 x GByte LAN, 2x 10 GByte LAN, RAID Contoller, others on request                                             |
| CERTIFICATIONS                         | CE, FCC, NRTL (UL 62368-1), CB (IEC 62368-1)                                                                                     |
| ALTITUDE                               | 5000 m operating                                                                                                                 |
| SHOCK*<br>ACCORDING TO EN 60068-2-27   | Operating: 10 G 11 ms duration<br>Non-operating: 20 G 11 ms duration                                                             |
| VIBRATION<br>ACCORDING TO EN 60068-2-6 | Operating: 10-150 Hz: 0.5G/3 axis<br>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                              |                                                                                                                                  |

► OUTLINE DRAWING



## 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.

For more information, please visit: [www.kontron.com](http://www.kontron.com)



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