

CEX – KWS 3000-CML

High-performance industrial workstation in a compact and rugged midi-tower format



Features

- Powerful workstation for machine learning, AI workflows and graphics-hungry applications
- Industrial-grade: shock/vibration resistant, 24/7, long-term availability
- Free selectable graphics cards and GPUs
- Scalable processor performance, easy customization
- Compact size: 380 x 190 x 380mm (H x W x D)

Specifications

System	KWS 3000-CML	
Dimension (H x W x D)	380 x 190 x 380mm (14.96" x 7.48" x 14.96")	
Weight	Approx. 14kg	
Processor	10 th Gen Intel® Core™ i9/i7/i5/i3 series	
Chipset	Q470E	
RAM	4 x DIMM DDR4-3200 MHz up to 128 Gbyte	
TPM	TPM 2.0 on board	
Front I/OS	2 x USB 3.0	
Rear I/OS	1x 1 Gigabit LAN, 1x 2.5 Gigabit LAN, 4x USB 3.2, 2x USB 2.0, 1x HDMI 2.0a 1x DP1.2, 1x VGA, 2x COM RS232/422/485, Line-in, Line-out, MIC-in, 1x PS2	
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	1x M.2 (Key E, 2230) with PCIe x1 ,USB 2.0 and CNVi for Wireless 1x M.2 (Key B, 3042/3052) with PCIe x1/USB 3.0/USB2.0 and SIM for 4G/5G	
Power supply	100-240 V AC 400 W /700 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)) 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* According to EN 60068-2-27	Operating: 10 G 11 ms duration Non-operating: 20 G 11 ms duration	*no HDD
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	