Industrial Rackmount PC/Workstations

for Industrial Applications & Embedded Cloud Solutions

Kontron's Industrial Rackmount PCs and Workstations are designed and tested for challenging environments and are therefore the perfect fit for high temperature and mechanical stress conditions.
All Kontron Industrial Rackmount PCs and Workstations are ideally suited even for complex computing tasks 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 (in-house), high performance computing and graphics power enable 24/7 operation and long-term deployment.

❯ Industrial Rackmount PC KISS Series
Scalable Industrial Rackmount PC for challenging and noise sensitive environments

- ❯ Industrial grade for challenging environments: robust, reliable and sustainable
- ❯ Maximum performance up to 12th/13th Gen Intel® Core™ i9/i7/i5/i3 or Intel® Xeon® processors
- ❯ Low noise level, 24/7 operation
- ❯ Modular and flexible concept for easy customization
- ❯ Various formats available: 1U, 2U, 4U and short versions
- ❯ Long-term availability (7+ years)
- ❯ Tool-free replacement of fans, filter mats, or hard disk drives in the removable tray
- ❯ TSN functionality optionally

❯ Industrial Workstation KWS 3000-ADL
High-performance Industrial Workstation in a compact and rugged midi-tower format

- ❯ Powerful Workstation with 13th Gen Intel® Core™ i processors 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
- ❯ Easy customization
- ❯ Compact size: 380 x 190 x 380 mm (H x W x D)

❯ Industrial Grade
Perfect fit for challenging and rough environments

❯ High Performance Computing
High processing capability and graphics power

❯ Easy Customization
Modular and flexible concept

❯ Designed in Germany
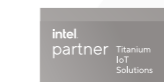High reliability and long term availability

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

About the Intel® Partner Alliance

From modular components to market-ready systems, Intel and the over 1,000+ global member companies of the Intel® Partner Alliance provide scalable, interoperable solutions that accelerate deployment of intelligent devices and end-to-end analytics. Close collaboration with Intel and each other enables Alliance members to innovate with the latest IoT technologies, helping developers deliver first-in-market solutions.

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Industrial Rackmount PC/Workstations
for Industrial Applications & High Performance Computing

	KISS 1U V4 ADL (NEW)	KISS 1U Short V3 CFL	KISS 2U V4 ADL (NEW)	KISS 2U V3 CFL	KISS 2U V3 PCI763	KISS 4U V3 ADL (NEW)	KISS 4U V3 CFL	KISS 4U V3 PCI763	KWS 3000-ADL
CHIPSET	Intel® Q670E	Intel® C246	Intel® R680E	Intel® C246	Intel® Q170	Intel® R680E	Intel® C246	Intel® Q170	Intel® Q670E
PROCESSOR	12th/13th Gen Intel® Core™ i9/i7/i5/i3	8th/9th Gen Intel® Core™ i7/i5/i3	12th/13th Gen Intel® Core™ i9/i7/i5/i3	8th/9th Gen Intel® Core™ i7/i5/i3 or Intel® Xeon® E-22xx series	7th Gen Intel® Core™ i7/i5/i3	12th/13th Gen Intel® Core™ i9/i7/i5/i3	8th/9th Gen Intel® Core™ i7/i5/i3 or Intel® Xeon® E-22xx series	7th Gen Intel® Core™ i7/i5/i3	13th Gen Intel® Core™ i9/i7/i5/i3
MEMORY	4x DIMM DDR5-4800 up to 128 GByte ECC support optional	4x DIMM DDR4-2666 up to 64 GByte	4x DIMM DDR4-4800 up to 128 GByte ECC support optional	4x DIMM DDR4-2666 up to 64 GByte ECC support optional	2x DIMM DDR4-2400 up to 32 GByte ECC support	4x DIMM DDR5-4800 up to 128 GByte ECC support optional	4x DIMM DDR4-2666 up to 64 GByte ECC support optional	2x DIMM DDR4-2400 up to 32 GByte ECC support	4x UDIMM DDR5-4800 up to 128 GByte ECC support
STANDARD IOS	Front: 2x USB 3.2 Gen1 Rear: 3x USB 3.2 Gen2 Type A, 2x USB 3.2 Gen 1, 1x USB 3.2 Gen 2 (Type-C), 2x USB 2.0, 1x 2.5 GB LAN, 1x GB LAN 4x DP, 1x RS232, 1x Audio	Front: 2x USB 2.0, opt. 2x USB 3.0 Rear: 4x USB 2.0, 1x USB 3.2 Gen 2 (Type-C) 1x RS232, 1x Mouse, 1x Kbd, 1x Audio	Front: 2x USB 3.2 Gen 1 Rear: 4x USB 3.2 Gen1, 2x USB 3.2 Gen 2, 1x USB 3.2 Gen 2 (Type-C) 2x 2.5GbE LAN, 1x GbE, 4x DP 1x RS232, 1x Audio	Front: 2x USB 2.0, opt. 2x USB 3.0 Rear: 4x USB 3.1, 4x USB 2.0, 2x GbE LAN, 1x DVI-D, 2x DP 1x RS232, 1x Mouse, 1x Kbd, 1x Audio	Front: 2x USB 2.0, opt. 2x USB 3.0 Rear: 2x USB 3.0, 2x GbE LAN, 1x DVI-I 2x RS232 on Slotbracket	Front: 2x USB 3.2 Gen 1 Rear: 4x USB 3.2 Gen1, 2x USB 3.2 Gen 2, 1x USB 3.2 Gen 2 (Type-C) 2x 2.5 GbE LAN, 1x GbE, 4x DP 1x RS232, 1x Audio	Front: 2x USB 2.0, opt. 2x USB 3.0 Rear: 4x USB 3.1, 4x USB 2.0, 2x GbE LAN, 1x DVI-D, 2x DP 1x RS232, 1x Mouse, 1x Kbd, 1x Audio	Front: 2x USB 2.0, opt. 2x USB 3.0 Rear: 2x USB 3.0, 2x GbE LAN, 1x DVI-I 2x RS232 on Slotbracket	Front: 2x USB 3.0 Rear: 4x USB 3.2 Gen 1, 2x USB 3.0 Gen 2, 1x USB-C 2x 2.5 GbE LAN, 1x GbE 4x DP1.4a 1x RS232 Line-in, Line-out, MIC-in
EXPANSION SLOTS	1 slot (low profile) PCIe internal USB-A*	1 slot PCIe (Low Profile)	7 slots (low profile): 6x PCIe, 1x PCI or 2 slots PCIe (Full Heigh) internal USB-A	4 slots PCIe (Low Profile) or 3 slots PCIe (Full High)	12 Slots PCI (Full High): 5x PCIe (Gen 2), 7x	7 slots (Full Height): 6x PCIe, 1x PCI internal USB-A	7 slots (Full High): 5x PCIe, 2x PCI	5 Slots (Full High): 1x PCIe x16, 3x PCIe x4, 1x PCIe x8	PCIe x16: 1x 16 lanes, Gen5/1x 4 lanes, Gen4 PCIe x1: 1x Gen3, "open slot"/1x Gen4, "closed slot"
EXPANSION CARDS	2x GbE LAN, 2x 10GbE LAN, NVIDIA T1000, others on request	2x GbE LAN, 4x GbE LAN, 2x 10GbE LAN, NVIDIA T1000	2x GbE LAN, 2x 10GbE LAN, NVIDIA T1000, others on request	2x GbE LAN, 4x GbE LAN, 2x 10GbE LAN, NVIDIA T1000	2x GbE LAN, 4x GbE LAN, 2x 10GbE LAN, NVIDIA P620 V2 others on request	2x GbE LAN, 2x 10GbE LAN, NVIDIA T1000, others on request	2x GbE LAN, 4x GbE LAN, 2x 10GbE LAN, NVIDIA T1000 others on request	2x GbE LAN, 4x GbE LAN, 2x 10GbE LAN, NVIDIA T1000, others on reques	2x GbE LAN, 4x GbE LAN, 2x 10GbE LAN, NVIDIA T1000, RTX 30xx, RAID Contoller, others on reques
PSU	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC, single or redundant	100-240 V AC	100-240 V AC	100-240 V AC, single or redundant	100-240 V AC	100-240 V AC 400 W/750 W, 100-240 V AC redundant 700 W
DRIVE OPTIONS	1x 3.5" SATA drive bay 1x M.2 2280 Key M PCIe drive 1x M.2 2230 Key E RAID support	1x DVD R/W slim 1x 3.5" drive bay 1x M.2 2280 PCIe drive RAID support	1x 3.5" SATA drive bay 1x 2.5"/3.5" SATA drive internal 2x M.2 2230/2242/2280 Key M with NVMe support, 1x M.2 2230 Key E, RAID support	1x DVD R/W slim 1x 3.5" SATA drive bay 1x 2.5"/3.5" SATA drive internal 1x M.2 2280 PCIe drive RAID support	3x 5.25" SATA drive bays 1x 2.5"/3.5" SATA drive internal RAID support	1x 3.5" SATA drive bay 1x 2.5"/3.5" SATA drive internal 2x M.2 2230/2242/2280 Key M with NVMe support, 1x M.2 2230 Key E, RAID support	3x 5.25" SATA drive bays 1x 2.5"/3.5" SATA drive internal 1x M.2 2280 PCIe drive RAID support	1x DVD R/W slim 1x 5.25" SATA drive bay 1x 2.5"/3.5" SATA drive internal RAID support	up to 4 x 3.5" SATA drive bays hot swap or internal, optional 1x SLIM DVD 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) RAID support 0/1/5/10
DIMENSIONS	44 x 482 x 430 mm (1U x 19" x 16.93")	44 x 482 x 350 mm (1U x 19" x 13.78")	88 x 482 x 430 mm (2U x 19" x 16.93")	88 x 482 x 472 mm (2U x 19" x 18.58")	177 x 482 x 472 mm (4U x 19" x 18.58")	177 x 482 x 472 mm (4U x 19" x 18.58")	177 x 482 x 472 mm (4U x 19" x 18.58")	88 x 482 x 472 mm (2U x 19" x 18.58")	380 x 190 x 380 mm (14.96" x 7.48" x 14.96")
WEIGHT	app. 6 kg	app. 6 kg	app. 8 kg	app. 8 kg	app. 18 kg	app. 18 kg	app. 18 kg	app. 8 kg	appr. 14 kg
MOUNTING	Rackmount, Desktop	Rackmount, Desktop	Rackmount, Desktop	Rackmount, Desktop	Rackmount, Desktop	Rackmount, Desktop	Rackmount, Desktop	Rackmount, Desktop	Desktop or Tower
CERTIFICATIONS	CE, FCC, TÜV NRTL	CE, FCC, TÜV NRTL	CE, FCC, TÜV NRTL	CE, FCC, TÜV NRTL	CE, FCC, TÜV NRTL	CE, FCC, TÜV NRTL	CE, FCC, TÜV NRTL	CE, FCC, TÜV NRTL	CE, FCC, NRTL (UL 62368-1), CB (IEC 62368-1)
OPERATING TEMP.	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +45 °C
SHOCK (EN 60068-2-27)	Operating: 15 G 11 ms duration Non-operating: 30 G 11 ms duration	Operating: 15 G 11 ms duration Non-operating: 30 G 11 ms duration	Operating: 15 G 11 ms duration Non-operating: 30 G 11 ms duration	Operating: 15 G 11 ms duration Non-operating: 30 G 11 ms duration	Operating: 15 G 11 ms duration Non-operating: 30 G 11 ms duration	Operating: 15 G 11 ms duration Non-operating: 30 G 11 ms duration	Operating: 15 G 11 ms duration Non-operating: 30 G 11 ms duration	Operating: 15 G 11 ms duration Non-operating: 30 G 11 ms duration	Operating: 10 G 11 ms duration Non-operating: 20 G 11 ms duration
VIBRATION (EN 60068-2-6)	Operating: 10-150 Hz: 1G/3 axis Non-operating: 10-150 Hz: 2G/3 axis	Operating: 10-150 Hz: 1G/3 axis Non-operating: 10-150 Hz: 2G/3 axis	Operating: 10-150 Hz: 1G/3 axis Non-operating: 10-150 Hz: 2G/3 axis	Operating: 10-150 Hz: 1G/3 axis Non-operating: 10-150 Hz: 2G/3 axis	Operating: 10-150 Hz: 1G/3 axis Non-operating: 10-150 Hz: 2G/3 axis	Operating: 10-150 Hz: 1G/3 axis Non-operating: 10-150 Hz: 2G/3 axis	Operating: 10-150 Hz: 1G/3 axis Non-operating: 10-150 Hz: 2G/3 axis	Operating: 10-150 Hz: 1G/3 axis Non-operating: 10-150 Hz: 2G/3 axis	Operating: 10-150 Hz: 0.5G/3 axis Non-operating: 10-150 Hz: 1G/3 axis
ALTITUDE	5000 m	5000 m	5000 m	5000 m	5000 m	5000 m	5000 m	5000 m	5000 m
VERIFIED OS	Windows 10 64 Bit LTSC Linux others on request	Windows 10 64 Bit LTSC Linux others on request	Windows 10 64 Bit LTSC Linux others on request	Windows 10 64 Bit LTSC Linux others on request	Windows 10 64 Bit LTSC Linux others on request	Windows 10 64 Bit LTSC Linux others on request	Windows 10 64 Bit LTSC Linux others on request	Windows 10 64 Bit LTSC Linux others on request	Windows 10 64 bit LTSC

Learn more about Industrial Rackmount PCs/Workstations:
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