

Industrial Rackmount PC/Workstations



- ▶ **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

▶ 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 13th/14th 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/14th 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 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.



About Kontron

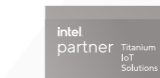
Kontron AG is a leading IoT technology company. For more than 20 years, Kontron has been supporting companies from a wide range of industries to achieve their business goals with intelligent solutions. From automated industrial operations, smarter and safer transport to advanced communications, connectivity, 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 8,000 employees in over 20 countries worldwide. Kontron is listed on the SDAX® and TecDAX® of the German Stock Exchange.

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.

Intel and Atom are registered trademarks of Intel Corporation in the U.S. and other countries.



Global Headquarters

Kontron Europe GmbH

Gutenbergstraße 2
85737 Ismaning, Germany
Tel.: + 49 821 4086-0
info@kontron.com

www.kontron.com

Industrial Rackmount PC/Workstations

for Industrial Applications & High Performance Computing



KISS 1U V4 ADL



KISS 1U Short V3 CFL



KISS 2U V4 ADL



KISS 2U V3 CFL



KISS 4U V4 RPL



KISS 4U V3 ADL



KISS 4U V3 CFL



KWS 3000-ADL

CHIPSET	Intel® Q670E	Intel® C246
PROCESSOR	13th/14th Gen Intel® Core™ i9/i7/i5/i3	8th/9th Gen Intel® Core™ i7/i5/i3
MEMORY	4x DIMM DDR5-4800 up to 128 GByte ECC support optional	4x DIMM DDR4-2666 up to 64 GByte
STANDARD IOS	Front: 2x USB 3.2 Gen 1 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 3.1, 4x USB 2.0, 2x GbE LAN, 1x DVI-D, 2x DP 1x RS232, 1x Mouse, 1x Kbd, 1x Audio
EXPANSION SLOTS	1 slot (low profile) PCIe internal USB-A	1 slot PCIe (Low Profile)
EXPANSION CARDS	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
PSU	100-240 V AC	100-240 V AC
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
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")
WEIGHT	app. 6 kg	app. 6 kg
MOUNTING	Rackmount, Desktop	Rackmount, Desktop
CERTIFICATIONS	CE, FCC, TÜV NRTL	CE, FCC, TÜV NRTL
OPERATING TEMP.	0 °C to +50 °C	0 °C to +50 °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
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
ALTITUDE	5000 m	5000 m
VERIFIED OS	Windows 10 64 Bit LTSC Windows 11 64 Bit LTSC Linux others on request	Windows 10 64 Bit LTSC Windows 11 64 Bit LTSC Linux others on request

CHIPSET	Intel® R680E	Intel® C246
PROCESSOR	13th/14th Gen Intel® Core™ i9/i7/i5/i3	8th/9th Gen Intel® Core™ i7/i5/i3 or Intel® Xeon® E-22xx series
MEMORY	4x DIMM DDR5-4800 up to 128 GByte ECC support optional	4x DIMM DDR4-2666 up to 64 GByte ECC support optional
STANDARD IOS	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
EXPANSION SLOTS	7 slots (low profile): 6x PCIe, 1x PCI or 2 slots PCIe (Full Height) internal USB-A	4 slots PCIe (Low Profile) or 3 slots PCIe (Full High)
EXPANSION CARDS	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
PSU	100-240 V AC	100-240 V AC, single or redundant
DRIVE OPTIONS	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
DIMENSIONS	88 x 482 x 430 mm (2U x 19" x 16.93")	88 x 482 x 472 mm (2U x 19" x 18.58")
WEIGHT	app. 8 kg	app. 8 kg
MOUNTING	Rackmount, Desktop	Rackmount, Desktop
CERTIFICATIONS	CE, FCC, TÜV NRTL	CE, FCC, TÜV NRTL
OPERATING TEMP.	0 °C to +50 °C	0 °C to +50 °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
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
ALTITUDE	5000 m	5000 m
VERIFIED OS	Windows 10 64 Bit LTSC Windows 11 64 Bit LTSC Linux others on request	Windows 10 64 Bit LTSC Windows 11 64 Bit LTSC Linux others on request

CHIPSET	Intel® R680E	Intel® R680E	Intel® C246
PROCESSOR	14th Gen Intel® Core™ i9/i7/i5/i3	13th/14th Gen Intel® Core™ i9/i7/i5/i3	8th/9th Gen Intel® Core™ i7/i5/i3 or Intel® Xeon® E-22xx series
MEMORY	4x DIMM DDR5-5600 up to 128 GByte ECC support optional	4x DIMM DDR5-4800 up to 128 GByte ECC support optional	4x DIMM DDR4-2666 up to 64 GByte ECC support optional
STANDARD IOS	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 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
EXPANSION SLOTS	7 slots (Full Height): 6x PCIe, 1x PCI internal USB-A	7 slots (Full Height): 6x PCIe, 1x PCI internal USB-A	7 slots (Full High): 5x PCIe, 2x PCI
EXPANSION CARDS	2x GbE LAN, 2x 10GbE LAN, NVIDIA A1000, 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
PSU	100-240 V AC	100-240 V AC	100-240 V AC, single or redundant
DRIVE OPTIONS	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 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
DIMENSIONS	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")
WEIGHT	app. 18 kg	app. 18 kg	app. 18 kg
MOUNTING	Rackmount, Desktop	Rackmount, Desktop	Rackmount, Desktop
CERTIFICATIONS	CE, FCC, TÜV NRTL / under Test	CE, FCC, TÜV NRTL	CE, FCC, TÜV NRTL
OPERATING TEMP.	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °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
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
ALTITUDE	5000 m	5000 m	5000 m
VERIFIED OS	Windows 10 64 Bit LTSC, Windows 11 64 Bit LTSC, Linux others on request	Windows 10 64 Bit LTSC, Windows 11 64 Bit LTSC, Linux others on request	Windows 10 64 Bit LTSC, Windows 11 64 Bit LTSC, Linux others on request

CHIPSET	Intel® Q670E
PROCESSOR	13th/14th Gen Intel® Core™ i9/i7/i5/i3
MEMORY	4x UDIMM DDR5-4800 up to 128 GByte ECC support
STANDARD IOS	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	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, 4x GbE LAN, 2x 10GbE LAN, NVIDIA T1000, RTX 30xx, RAID Controller, others on request
PSU	100-240 V AC 400 W/750 W, 100-240 V AC redundant 700 W
DRIVE OPTIONS	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	380 x 190 x 380 mm (14.96" x 7.48" x 14.96")
WEIGHT	appr. 14 kg
MOUNTING	Desktop or Tower
CERTIFICATIONS	CE, FCC, NRTL (UL 62368-1), CB (IEC 62368-1)
OPERATING TEMP.	0 °C to +45 °C
SHOCK (EN 60068-2-27)	Operating: 10 G 11 ms duration Non-operating: 20 G 11 ms duration
VIBRATION (EN 60068-2-6)	Operating: 10-150 Hz: 0.5G/3 axis Non-operating: 10-150 Hz: 1G/3 axis
ALTITUDE	5000 m
VERIFIED OS	Windows 10 64 bit LTSC Windows 11 64 Bit LTSC