

INDUSTRIAL RACKMOUNT PC SERIES KISS

Scalable Industrial Rackmount PC for Challenging and Noise Sensitive Environments

- Industrial grade for challenging environments: robust, reliable and sustainable
- Maximum performance up to 8th Gen Intel® Core™ 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 (5+ years)
- Tool-free replacement of fans, filter mats, or hard disk drives in the removable tray
- Microsoft Azure certified, TSN functionality optionally



INDUSTRIAL SERVER SERIES ZINC CUBE

Server Platform for High Performance and Cloud Computing

- Compact desktop server with excellent performance and extended storage functions
- High processing capability with 7th Gen Intel® Core™ i7/i5/i3 or Intel® Xeon® processors
- Qualified for Windows and Linux Server OS

kontron
S&T Group

About Kontron | An S&T Company

Kontron is a global leader in IoT/embedded computing technology (ECT). As a part of technology group S&T, Kontron offers a combined portfolio of secure hardware, middleware and services for Internet of Things (IoT) and Industry 4.0 applications. With its standard products and tailor-made solutions based on highly reliable state-of-the-art embedded technologies, Kontron provides secure and innovative applications for a variety of industries. As a result, customers benefit from accelerated time-to-market, reduced total cost of ownership, product longevity and the best fully integrated applications overall.

About the Intel® Internet of Things Solutions Alliance

From modular components to market-ready systems, Intel and the 400+ global member companies of the Intel® Internet of Things Solutions 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 IoT Solutions Alliance
Premier

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INDUSTRIAL RACKMOUNT PC / SERVERS



- **INDUSTRIAL GRADE**
  Perfect fit for challenging and rough environments
- **HIGH PERFORMANCE COMPUTING**
  High processing capability and graphics power
- **EASY CUSTOMIZATION**
  Modular and flexible concept

POSSIBILITIES START HERE kontron S&T Group

INDUSTRIAL RACKMOUNT PC / SERVERS

for Industrial Applications & Embedded Cloud Solutions

Kontron's industrial Rackmount PCs and servers 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 servers 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 / SERVERS

for Industrial Applications & Embedded Cloud Solutions



KISS 1U Short V3 CFL



KISS 2U Short V3 CFL



KISS 2U V3 CFL



KISS 4U V3 CFL



KISS 2U V3 PCI763



KISS 4U V3 PCI763



KISS 4U V3 SKW



KISS 4U V3 SKX



ZINC CUBE SKD



ZINC CUBE C232



HPW 410

	KISS 1U Short V3 CFL	KISS 2U Short V3 CFL	KISS 2U V3 CFL	KISS 4U V3 CFL	KISS 2U V3 PCI763	KISS 4U V3 PCI763	KISS 4U V3 SKW	KISS 4U V3 SKX	ZINC CUBE SKD	ZINC CUBE C232	HPW 410
CHIPSET	Intel® C246	Intel® C246	Intel® C246	Intel® C246	Intel® Q170	Intel® Q170	Intel® C422	Intel® C621	integrated	Intel® C232	Intel® C612
PROCESSOR	8th Gen Intel® Core™ i7/i5/i3	8th Gen Intel® Core™ i7/i5/i3 or Intel® XEON® E-2100 series	8th Gen Intel® Core™ i7/i5/i3 or Intel® XEON® E-2100 series	8th Gen Intel® Core™ i7/i5/i3 or Intel® XEON® E-2100 series	7th Gen Intel® Core™ i7/i5/i3 or Intel® XEON® E-1200 v6 series	7th Gen Intel® Core™ i7/i5/i3 or Intel® XEON® E-1200 v6 series	Intel® XEON® W-2100 series	(1) or (2) Intel® XEON® SP series	Intel® XEON® D-2100 series	7th Gen Intel® Core™ or Intel® XEON® E3-1200 v6 series	(1) or (2) Intel® XEON® E5-2600 v4 series
MEMORY	4x DIMM DDR4-2666 up to 64 GByte	4x DIMM DDR4-2666 up to 64 GByte ECC support	4x DIMM DDR4-2666 up to 64 GByte ECC support	4x DIMM DDR4-2666 up to 64 GByte ECC support	2x DIMM DDR4-2400 up to 32 GByte ECC support	2x DIMM DDR4-2400 up to 32 GByte ECC support	8x DIMM DDR4-2666 up to 512 GByte ECC support	12 x DIMM DDR4-2666/2400 up to 768 GByte ECC support	8x DIMM DDR4-2667 up to 256 GByte ECC support	2x DIMM DDR4-2133/2400 up to 32 GByte ECC support	8/16x DIMM DDR4-2133/2400 up to 256/512 GByte ECC support
STANDARD IOS	Front: 2x USB 2.0 Rear: 4x USB 3.1, 4x USB 2.0, 2x GByte LAN, 1x DVI-D, 2x DP 1x RS232, 1x Mouse, 1x Kbd, 1x Audio	Front: 2x USB 2.0 Rear: 4x USB 3.1, 4x USB 2.0, 2x GByte LAN, 1x DVI-D, 2x DP 1x RS232, 1x Mouse, 1x Kbd, 1x Audio	Front: 2x USB 2.0 Rear: 4x USB 3.1, 4x USB 2.0, 2x GByte LAN, 1x DVI-D, 2x DP 1x RS232, 1x Mouse, 1x Kbd, 1x Audio	Front: 2x USB 2.0 Rear: 4x USB 3.1, 4x USB 2.0, 2x GByte LAN, 1x DVI-D, 2x DP 1x RS232, 1x Mouse, 1x Kbd, 1x Audio	Front: 2x USB 2.0 Rear: 2x USB 3.0, 2x GByte LAN, 1x DVI-I 2x RS232 on Slotbracket	Front: 2x USB 2.0 Rear: 2x USB 3.0, 2x GByte LAN, 1x DVI-I 2x RS232 on Slotbracket	Front: 2x USB 2.0 Rear: 7x USB 3.1, 1x USB 3.1C, 2x GByte LAN, 1x Mouse, 1x Kbd, 1x Audio	Front: 2x USB 2.0 Rear: 2x USB 2.0, 4x USB 3.1 Gen 1, 1x USB BIOS Flashback Button 2x GByte LAN 1x PS/2 Mouse/Kbd Combo 1 x S/PDIF (optical) 1 x Audio	Front: 2x USB 3.0 Rear: 2x USB 3.0, 2x USB 2.0, 4x 10G LAN (SFP+), 1x VGA	Front: 2x USB 3.0 Rear: 2x USB 3.0, 2x USB 2.0, 2x GByte LAN, 1x VGA	Front: 2x USB 2.0 Rear: Single CPU: 2x USB 3.0, 4x USB 2.0, 2x LAN, 1x Audio, RS232 (optional) Dual CPU: 2x USB 3.0, 2x USB 2.0, 2x LAN, 1x VGA, RS232 (optional)
EXPANSION SLOTS	1 slot PCIe (Low Profile)	4 slots PCIe (Low Profile) or 3 slots PCIe (Full High)	4 slots PCIe (Low Profile) or 3 slots PCIe (Full High)	7 slots (Full High): 5x PCIe, 2x PCI	5 Slots (Full High): 2x PCIe (Gen 2), 3x PCI	12 Slots (Full High): 5x PCIe (Gen 2), 7x PCI	7 slots PCIe (Full High)	6 slots PCIe (Full High)	3 Slots (Full High): 1x PCIe x16 (Double wide), 2x PCIe x8	1 slot PCIe (Low Profile)	7/6 slots PCIe (Full High)
PSU	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC
DRIVE OPTIONS	1x DVD R/W slim 1x 3.5" drive bay 1x M.2 2280 PCIe drive 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	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 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	3x 5.25" SATA drive bays 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 1x M.2 2280 PCIe drive RAID support	2x 5.25" SATA drive bays 1x 2.5"/3.5" SATA drive internal 1x M.2 2280 PCIe drive RAID support	8x 2.5" SATA drive bays 1x M.2 2280 PCIe drive RAID support	4x 3.5" SATA drive bays 1x M.2 2280 PCIe drive RAID support	3x 5.25" SATA drive bays 1x 2.5"/3.5" SATA drive internal RAID support
DIMENSIONS	44 x 482 x 350 mm (1U x 19" x 13.78")	88 x 482 x 350 mm (2U x 19" x 13.78")	88 x 482 x 472 mm (2U 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")	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")	195 x 282 x 317 mm (7.68" x 11.10" x 12.48")	248 x 225 x 217 mm (9.76" x 8.86" x 8.54")	177 x 482 x 472 mm (4U x 19" x 18.58")
WEIGHT	app. 6 kg	app. 7 kg	app. 8 kg	app. 18 kg	app. 8 kg	app. 18 kg	app. 18 kg	app. 22 kg	app. 10 kg	app. 8 kg	app. 22 kg
MOUNTING	Rackmount or Desktop	Rackmount, Desktop or Tower	Rackmount, Desktop or Tower	Rackmount, Desktop or Tower	Rackmount, Desktop or Tower	Rackmount, Desktop or Tower	Rackmount, Desktop or Tower	Rackmount, Desktop or Tower	Desktop or Wallmount	Desktop	Rackmount, Desktop or Tower
CERTIFICATIONS	CE, designed for UL	CE, designed for UL	CE, designed for UL	CE, designed for UL	CE, designed for UL	CE, designed for UL	CE, designed for UL	CE, designed for UL	CE, designed for UL	CE, designed for UL	CE, designed for UL
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 +50 °C	0 °C to +35 °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	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	tbd	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	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	tbd	Operating: 10-150 Hz: 1G/3 axis Non-operating: 10-150 Hz: 2G/3 axis
ALTITUDE	5000 m	5000 m	5000 m	5000 m	5000 m	5000 m	5000 m	5000 m	2000 m	tbd	5000 m
VERIFIED OS	Windows 10, Linux	Windows 10, Linux	Windows 10, Linux	Windows 10, Linux	Windows 10, Linux	Windows 10, Linux	Windows 10, Windows Server, Linux	Windows 10, Windows Server, Linux	Windows 10, Windows Server, Linux Server	Windows 10 , Windows Server, Linux Server	Windows 10, Windows Server, Linux

Learn more about Industrial Rackmount PCs/High Performance Servers:
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