INDUSTRIAL RACKMOUNT PC/SERVERS

Kontron’s industrial Rackmount PC/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

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 & MADE IN GERMANY
- High reliability and long-term availability

INDUSTRIAL RACKMOUNT PC/SERVER Scalable Industrial Rackmount PC for Challenging and Noise Sensitive Environments
- Industrial grade for challenging environments: robust, reliable and sustainable
- Maximum performance up to 9th 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 (7+ years)
- Tool-free replacement of fans, filter mats, or hard disk drives in the removable tray
- Microsoft Azure certified, TSN functionality optionally

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About Kontron – Member of the S&T Group
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.

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.

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INDUSTRIAL SERVER FOR DEEP LEARNING, MACHINE LEARNING, INFERENCE
KISS 4U V3 SKX with Dual Intel® Xeon® SP processors and high-end GPUs
- Real-time parallel processing
- Installation of up to 3 double width high-end GPU cards for training algorithms or inference (e.g. NVIDIA® TESLA® V100, NVIDIA® T-4 GPU)
- Easy server configuration and scalability
- Extended storage possibilities with up to 8 x 2.5" storage trays
- Low server noise emission
- High security and reliability
- Supports Intel® Rapid Storage Technology enterprise option RAID 0/1/10/5
- Long-term availability (5+ years)

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### INDUSTRIAL RACKMOUNT PC/SERVERS

**for Industrial Applications & Embedded Cloud Solutions**

**Drive Options**

- **1x DVD R/W slim**

**PSU**

**Expansion Slots**

- **1 slot PCIe (Low Profile)**
- **4 slots PCIe (Low Profile)** or
- **1 slot PCIe (Full High)**

**Front:**

- **2x USB 2.0**
- **opt. 2x USB 3.0**

**Rear:**

- **4x USB 3.1 Gen 1**
- **1x USB 3.1C**

**Standard IOS**

- **Windows 10 64 Bit L TSC**

**Verified OS**

- **Linux Ubuntu 18.04**

**Other Options**

- **1x 10 GByte LAN, NVIDIA P620 V2**
- **1x 2.5”/3.5” SATA drive internal**
- **1x 5.25” SATA drive bay**
- **RAID support**
- **ECC support optional**

**Certifications**

- **CE, FCC, TÜV NRTL**

**Weights**

- **4x DIMM DDR4-2666**
  - **up to 64 GByte**
- **8x DIMM DDR4-2666**
  - **up to 768 GByte**
- **2x DIMM DDR4-2400**
  - **up to 32 GByte**
- **2x DIMM DDR4-2666**
  - **up to 512 GByte**
- **4x DIMM DDR4-2666**
  - **up to 512 GByte**

**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 350 mm (3U x 19” x 13.78”)**
- **177 x 482 x 472 mm (3U x 19” x 18.58”)**
- **177 x 482 x 472 mm (4U x 19” x 18.58”)**

**Processors**

- **Intel® Xeon® E-22xx series**
- **8th/9th Gen Intel® Core™ i7/i5/i3 or**
- **7th Gen Intel® Core™ i7/i5/i3**
- **Intel® Xeon® W-22xx series**
- **2x Intel® Xeon SP series 2**
- ** Others on request **

**Memory**

- **4x DIMM DDR4-2666**
  - **up to 64 GByte**
- **8x DIMM DDR4-2666**
  - **up to 768 GByte**

**Weight**

- **4 Kg**
- **10 Kg**
- **15 Kg**

**Rear IOs**

- **1x RS232, 1x Mouse, 1x Kbd, 1x Audio**
- **2x GByte LAN, 1x DVI-D, 2x DP**
- **1x 10 GByte LAN, NVIDIA P620 V2**
- **3x 5.25” SATA drive bays**
- **1x M.2 2280 PCIe drive**
- **1x 3.5” SATA drive bay**
- **RAID support**

**Specifications**

- **Non-operating: 10-150 Hz: 2G/3 axis**
- **Operating: 10-150 Hz: 1G/3 axis**
- **Operating: 10-150 Hz: 1G/3 axis**
- **Operating: 10-150 Hz: 1G/3 axis**

**Website:** [https://www.kontron.com/products/systems/rack-mount-systems](https://www.kontron.com/products/systems/rack-mount-systems)