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 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 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® T4 GPU)
- Easy server configuration and scalability
- Extended storage possibilities with up to 8x 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)

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, together with its sister company S&T Technologies, 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.

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INDUSTRIAL GRADE
Perfect fit for challenging and rough environments

HIGH PERFORMANCE COMPUTING
High processing capability and graphics power

EASY CUSTOMIZATION
Modular and flexible concept

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.
<table>
<thead>
<tr>
<th>MODEL</th>
<th>PROCESSOR</th>
<th>CHIPSET</th>
<th>MEMORY</th>
<th>RAID SUPPORT</th>
<th>OPTICAL</th>
<th>PROCESSOR OPTIONS</th>
<th>VIDEO</th>
<th>AUDIO</th>
<th>NETWORKING</th>
<th>USB</th>
<th>RS232</th>
<th>PS/2</th>
<th>OTHERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KISS 1U Short</td>
<td>Intel® Core™ i7/i5/i3</td>
<td>Intel® Xeon® E-2100 series</td>
<td>up to 64 GB</td>
<td>RAID support</td>
<td>1x DVD</td>
<td>8th Gen Intel® Core™ i7/i5/i3</td>
<td>1x DVI-D</td>
<td>1x 2.5&quot;/3.5&quot; SATA drive internal</td>
<td>1x 3.5&quot; SATA drive bay</td>
<td>4x USB 3.1, 4x USB 2.0, 2x 10 GByte LAN, 1x 10 GByte LAN</td>
<td>1x RS232, 1x Mouse, 1x Kbd, 1x Audio</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KISS 2U Short</td>
<td>Intel® Core™ i7/i5/i3</td>
<td>Intel® Xeon® E-2100 series</td>
<td>up to 64 GB</td>
<td>RAID support</td>
<td>1x DVD</td>
<td>8th Gen Intel® Core™ i7/i5/i3</td>
<td>1x DVI-D</td>
<td>1x 2.5&quot;/3.5&quot; SATA drive internal</td>
<td>1x 3.5&quot; SATA drive bay</td>
<td>7x USB 3.1, 1x USB 3.1C, 1x 10 GByte LAN, 1x 10 GByte LAN</td>
<td>2x RS232 on Slotbracket</td>
<td>1x S/PDIF (optical)</td>
<td></td>
</tr>
<tr>
<td>KISS 2U V3</td>
<td>Intel® Core™ i7/i5/i3</td>
<td>Intel® Xeon® E-2100 series</td>
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<td>RAID support</td>
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<td>2x RS232 on Slotbracket</td>
<td>1x S/PDIF (optical)</td>
<td></td>
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<tr>
<td>KISS 4U V3 PCI763</td>
<td>Intel® Core™ i7/i5/i3</td>
<td>Intel® Xeon® E-2100 series</td>
<td>up to 64 GB</td>
<td>RAID support</td>
<td>1x DVD</td>
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<td>1x 2.5&quot;/3.5&quot; SATA drive internal</td>
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<td>2x RS232 on Slotbracket</td>
<td>1x S/PDIF (optical)</td>
<td></td>
</tr>
<tr>
<td>KISS 4U V3 SKW</td>
<td>Intel® Core™ i7/i5/i3</td>
<td>Intel® Xeon® E-2100 series</td>
<td>up to 64 GB</td>
<td>RAID support</td>
<td>1x DVD</td>
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<td>1x S/PDIF (optical)</td>
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**SPECIFICATIONS**
- **PROCESSOR**: Intel® Core™ i7/i5/i3, Intel® Xeon® E-2100 series
- **CHIPSET**: Intel® Xeon® E-2100 series
- **MEMORY**: up to 64 GB DDR4-2666/2400
- **RAID SUPPORT**: RAID support
- **OPTICAL**: 1x DVD R/W slim
- **VIDEO**: 1x DVI-D, 2x DP, 1x HDMI, 1x DisplayPort
- **AUDIO**: 1x Audio, 2x RS232, 1x Mouse, 1x Kbd
- **NETWORKING**: 2x GByte LAN, 2x 10 GByte LAN, 7 slots PCIe (Full High)
- **USB**: 4x USB 3.1, 4x USB 2.0, 2x 10 GByte LAN
- **RS232**: 2x RS232 on Slotbracket
- **PS/2**: 1x Mouse, 1x Keyboard
- **OTHERS**: Front: 2x USB 2.0, opt. 2x USB 3.0

**CERTIFICATIONS**
- CE, FCC, TÜV NRTL

**WEIGHT**

<table>
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<tr>
<th>MODEL</th>
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<tr>
<td>KISS 1U Short</td>
<td>9.4 lbs (4.3 kg)</td>
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<tr>
<td>KISS 2U Short</td>
<td>19.6 lbs (9.0 kg)</td>
</tr>
<tr>
<td>KISS 2U V3</td>
<td>37.3 lbs (17.0 kg)</td>
</tr>
<tr>
<td>KISS 4U V3</td>
<td>49.5 lbs (22.5 kg)</td>
</tr>
<tr>
<td>KISS 4U V3 PCI763</td>
<td>49.5 lbs (22.5 kg)</td>
</tr>
<tr>
<td>KISS 4U V3 SKW</td>
<td>49.5 lbs (22.5 kg)</td>
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**DIMENSIONS**

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<tr>
<th>MODEL</th>
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<tr>
<td>KISS 1U Short</td>
<td>10.5 x 11.8 x 1.7 in (267 x 300 x 44 mm)</td>
</tr>
<tr>
<td>KISS 2U Short</td>
<td>17.3 x 19.0 x 3.3 in (440 x 483 x 84 mm)</td>
</tr>
<tr>
<td>KISS 2U V3</td>
<td>19.6 x 22.0 x 3.3 in (500 x 560 x 84 mm)</td>
</tr>
<tr>
<td>KISS 4U V3</td>
<td>23.0 x 26.0 x 3.3 in (584 x 660 x 84 mm)</td>
</tr>
</tbody>
</table>

**OVERVIEW**

- **KISS 1U Short V3**: Designed for compact applications, featuring Intel® Core™ i7/i5/i3 processors and up to 64 GB DDR4-2666 memory. Ideal for space-constrained environments.
- **KISS 2U Short V3**: Offering greater expandability with Intel® Xeon® E-2100 processors and RAID support. Suitable for more demanding workloads.
- **KISS 2U V3**: Provides a balance between size and performance, equipped with Intel® Xeon® E-2100 processors and RAID support, making it versatile for a range of applications.
- **KISS 4U V3**: The most powerful option, with Intel® Xeon® E-2100 processors and RAID support, capable of handling high-performance computing tasks.
- **KISS 4U V3 PCI763**: Designed for servers requiring maximum performance, featuring Intel® Xeon® E-2100 processors and RAID support, offering additional expandability.
- **KISS 4U V3 SKW**: A cost-effective alternative to PCI763, providing comparable performance with Intel® Xeon® E-2100 processors and RAID support.

**CONTACT**

For more information or to request a quote, visit our website: [www.kontron.com/products/systems/rack-mount-systems](http://www.kontron.com/products/systems/rack-mount-systems)

**FOR INDUSTRIAL APPLICATIONS & EMBEDDED CLOUD SOLUTIONS**

- **KISS 1U Short V3**: Ideal for compact applications with Intel® Core™ i7/i5/i3 processors and up to 64 GB DDR4-2666 memory.
- **KISS 2U Short V3**: Offers a balance between size and performance with Intel® Xeon® E-2100 processors and RAID support.
- **KISS 2U V3**: Provides a versatile option with Intel® Xeon® E-2100 processors and RAID support.
- **KISS 4U V3**: The most powerful option with Intel® Xeon® E-2100 processors and RAID support.
- **KISS 4U V3 PCI763**: Designed for high-performance computing tasks with Intel® Xeon® E-2100 processors and RAID support.
- **KISS 4U V3 SKW**: A cost-effective option with Intel® Xeon® E-2100 processors and RAID support.

**LEARN MORE ABOUT INDUSTRIAL RACKMOUNT PCs/SERVERS**