



Kontron's industrial servers and workstations are designed and tested for challenging environments and are therefore the perfect fit for extreme temperature and mechanical stress conditions.



**ZINC19 2U/4U**  
Scalable Rackmount Systems for  
Challenging and Noise Sensitive Environments

- ▶ Industrial grade for challenging environments – robust, reliable and sustainable
- ▶ High processing capability with 7th Gen Intel® Core™ i3/i5/i7 or Xeon® E3
- ▶ Low noise level
- ▶ Modular concept for easy customization



**HPW 410**  
High Performance Workstation/Embedded Server

- ▶ Industrial grade for challenging environments – robust, reliable and sustainable
- ▶ Single or dual Intel® Xeon® E5 for high performance applications
- ▶ Up to 3 high performance GPGPUs for extensive graphics applications
- ▶ Low noise level
- ▶ Modular concept for easy customization



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.



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Industrial Applications  
**SERVERS /  
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

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# SERVICES / WORKSTATIONS FOR INDUSTRIAL APPLICATIONS



ZINC19 2U



ZINC19 4U



HPW 410

<b>CHIPSET</b>	Intel® C236	Intel® C236
<b>PROCESSOR</b>	7th Gen Intel® Core™ or XEON® E3-1200 v6 series: E3-1275 v6, i3-7101T(E), i5-7500(T), i7-7700T 6th Gen Intel® Core™ or XEON® E3-1200 v5 series: E3-1225 v5, E3-1275 v5, i3-6100TE, i5-6500TE, i7-6700	7th Gen Intel® Core™ or XEON® E3-1200 v6 series: E3-1275 v6, i3-7101T(E), i5-7500(T), i7-7700T 6th Gen Intel® Core™ or XEON® E3-1200 v5 series: E3-1225 v5, E3-1275 v5, i3-6100TE, i5-6500TE, i7-6700
<b>MEMORY</b>	16 GByte DDR4 32 GByte DDR4 64 GByte DDR4 ECC (Intel® XEON® & i3 only)	16 GByte DDR4 32 GByte DDR4 64 GByte DDR4 ECC (Intel® XEON® & i3 only)
<b>STANDARD I/O</b>	Front: 2x USB 2.0 Rear: 4x USB 3.0, 2x USB 2.0, 1x LAN, 2x RS232, Audio, 1x DVI-D, 2x DP, 2x PS/2	Front: 2x USB 3.0 Rear: 4x USB 3.0, 4x USB 2.0, 2x LAN, 1x RS232, Audio, 1x DVI-D, 2x DP, 2x PS/2
<b>STANDARD I/O</b>	Front: 2x USB 2.0 Rear: 4x USB 3.0, 2x USB 2.0, 1x LAN, 2x RS232, Audio, 1x DVI-D, 2x DP, 2x PS/2	Front: 2x USB 3.0 Rear: 4x USB 3.0, 4x USB 2.0, 2x LAN, 1x RS232, Audio, 1x DVI-D, 2x DP, 2x PS/2
<b>EXPANSION SLOTS</b>	2x PCIe x16, 2x PCIe x1	2x PCIe x16, 1x PCIe x8, 2x PCIe x4, 2x PCI
<b>PSU</b>	100-240 V AC	100-240 V AC
<b>DRIVE OPTIONS</b>	SSD 128 GB, 256 GB, 512 GB, 1 TB HDD 1 TB, 2 TB, 4 TB, 6 TB PCIe SSD 400 GB, 800 GB, 1.2 TB DVD R/W	SSD 128 GB, 256 GB, 1 TB HDD 1 TB, 2 TB, 4 TB, 6 TB PCIe SSD 400 GB, 800 GB, 1.2 TB DVD R/W
<b>CERTIFICATIONS</b>	CE, designed for UL	CE, designed for UL
<b>NON OPERATING</b>	-20 °C to +70 °C	-20 °C to +70 °C
<b>OPERATING</b>	0 °C to +50 °C	0 °C to +50 °C
<b>SHOCK</b>	15 g, 11 ms	15 g, 11 ms
<b>VIBRATION</b>	1 g 10-150 Hz	1 g 10-150 Hz
<b>ALTITUDE</b>	3000 m	3000 m

<b>CHIPSET</b>	Intel® C612
<b>PROCESSOR</b>	Single or dual Intel® XEON® E5-2600 v4 series: E5-2620 v4, E5-2640 v4, E5-2680 v4
<b>MEMORY</b>	Up to 128 GByte (all per processor) 16 GByte DDR4 32 GByte DDR4 64 GByte DDR4 96 GByte DDR4 128 GByte DDR4
<b>STANDARD I/O</b>	Front: 2x USB 3.0 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, 1x VGA, RS232 (optional)
<b>STANDARD I/O</b>	Front: 2x USB 3.0 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, 1x VGA, RS232 (optional)
<b>EXPANSION SLOTS</b>	Single CPU: 2x PCIe x1, 3x PCIe x4, 2x PCIe x16 Dual CPU: 1x PCIe x4, 1x PCIe x8, 4x PCIe x16
<b>PSU</b>	100-240 V AC
<b>DRIVE OPTIONS</b>	SSD 128 GB HDD 2 TB, 4 TB, 6 TB DVD R/W
<b>CERTIFICATIONS</b>	CE, designed for UL
<b>NON OPERATING</b>	-20 °C to +70 °C
<b>OPERATING</b>	0 °C to +50 °C
<b>SHOCK</b>	15 g, 11 ms
<b>VIBRATION</b>	1 g 10-150 Hz
<b>ALTITUDE</b>	3000 m



Learn more about Industrial Servers and Workstations:  
<https://www.kontron.com/products/systems/rack-mount-systems>