



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.

Kontron's desktop server is tailored for use at the interface of IT and OT, handling huge amounts of data.



**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



**ZINC CUBE C232**  
Embedded 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 XEON® E3
- ▶ Qualified for Windows and Linux Server OS

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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# SERVERS / WORKSTATIONS

## FOR INDUSTRIAL APPLICATIONS & CLOUD COMPUTING



ZINC19 2U



ZINC19 4U



HPW 410



ZINC CUBE C232



CHIPSET	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), i7-7700(T) 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), i7-7700(T) 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 IOS</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>VERIFIED OS</b>	Windows 7 (6th Gen Intel® Core™ or XEON® E3-1200 v5 series), Windows 10, Linux	Windows 7 (6th Gen Intel® Core™ or XEON® E3-1200 v5 series), Windows 10, Linux

CHIPSET	Intel® C612	Intel® C232
<b>PROCESSOR</b>	Single or dual Intel® XEON® E5-2600 v4 series: E5-2620 v4, E5-2640 v4, E5-2680 v4	7th Gen Intel® Core™ or XEON® E3-1200 v6 series: E3-1275 v6, i3-7101T(E), i5-7500(T), i7-7700(T)
<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	8 GByte DDR4 16 GByte DDR4 ECC (Intel® XEON® & i3 only)
<b>STANDARD IOS</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)	Front: 2x USB 3.0 Rear: 2x USB 3.0, 2x USB 2.0, 2x LAN, 1x VGA
<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	1x PCIe x16 (Low Profile)
<b>PSU</b>	100-240 V AC	100-240 V AC
<b>DRIVE OPTIONS</b>	SSD 128 GB HDD 2 TB, 4 TB, 6 TB DVD R/W	2x 2.5" SSD/HDD removable 2x 3.5" SSD/HDD removable 1x M.2 2280
<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 +35 °C
<b>SHOCK</b>	15 g, 11 ms	tbd
<b>VIBRATION</b>	1 g 10-150 Hz	tbd
<b>ALTITUDE</b>	3000 m	tbd
<b>VERIFIED OS</b>	Windows 7 (Single CPU), Windows 10, Windows Server 2012 R2, Red Hat Linux	Windows 10 (64bit), Windows Server (64bit), Linux Server (64bit)

