

ZOTAC®

ACCELERATING PERFORMANCE and **POSSIBILITIES**



ZRS-3220M4

ZOTAC 4U Dual Intel CPU Rack Mount
GPU Server



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ZOTAC
GPU
SERVER

2024 V1

ESSENTIAL SERIES

Competitive price to performance products

APPLICATIONS

- AI Inference
- 3D Rendering
- Factory Automation
- 3D Modeling & Simulation
- Digital Twin

510G-IX1P7E

ZOTAC BOLT Workstation Tower with Motherboard Bundle



FEATURE HIGHLIGHTS

- 3rd Gen. Intel® Xeon® Scalable Processors
- Intel® Xeon® W-3300 Processor Family
- 8-Channel RDIMM/LRDIMM/ RDIMM-3DS DDR4 Memory, 8 x DIMMs
- Optimized Air Cooling / Water Cooling ready Tower Chassis
- Dual 1Gb/s LAN support (RJ45)
- 7 x PCIe Gen4 expansion slots
- Up to 3 dual-slot GPU support



REFERENCE NUMBERS

Bundle package: 510G-IX1P7E
Chassis: ZW-CTFH690JT
Motherboard: ZW-MX31A72G

FORM FACTOR	Full Tower
MOTHERBOARD	ATX 304.8mm x 244mm / 12in x 9.6in (L x W)
CHIPSET	Intel C621A
PROCESSOR	3rd Generation Intel® Xeon® Scalable Processors Intel Xeon® Platinum / Gold / Silver Processor support Intel Xeon® W-3300 Processor Family support up to 270W TDP
SOCKET	1 x LGA 4189 (Socket P+)
MEMORY	8 x DDR4 RDIMM / LRDIMM / RDIMM-3DS slots RDIMM / LRDIMM modules (up to 128GB) RDIMM-3DS modules (up to 256GB) 1.2V modules (3200/2933/2666 MHz)
DIMENSIONS	L x W x H 591mm x 249mm x 691mm / 23.27in x 9.8in x 27.2in (w/ wheels) 591mm x 249mm x 630mm / 23.27in x 9.8in x 24.8in (w/o wheels)
FRONT	2 x USB 3.0, System Reset Switch
REAR	4 x USB 3.0 1 x VGA 1 x COM 2 x 1Gbps RJ45 1 x MLAN 1 x ID button with LED
EXPANSION	7 x PCIe Gen4 x16 slots
STORAGE	3 x 3.5" / 2.5" SATA 6Gbps HDD bays 2 x 2.5" SATA 6Gbps HDD bays 1 x M.2 NVMe PCIe Gen3 x4 SSD slot (2280, M-key)
POWER SUPPLY	2 x ATX PSU bays (PSU not included)
SYSTEM COOLING	Front: up to 4 x 120/140mm fans, or 360mm Water cooling radiator Top: up to 4 x 120/140mm, or 480mm Water cooling radiator Right: up to 3 x 120mm, or 360mm Water cooling radiator Direct Liquid Cooling ready No Cooling fan or Water Cooling radiator is pre-installed
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

ESSENTIAL SERIES

Competitive price to performance products

APPLICATIONS

- AI Inference
- 3D Rendering
- Factory Automation
- 3D Modeling & Simulation
- Digital Twin

512G-IX2P6E

ZOTAC BOLT Workstation Tower with Motherboard Bundle



FEATURE HIGHLIGHTS

- 4th / 5th Gen Intel® Xeon® Scalable Processors
- Intel® Xeon® CPU Max Series Processor Family
- Dual processor, LGA 4677
- Optimized Air Cooling / Water Cooling ready Tower Chassis
- 8-Channel RDIMM/RDIMM-3DS DDR5 Memory per processor, 16 x DIMMs
- Dual 1Gb/s LAN support (RJ45)
- 6 x PCIe Gen5 x16 expansion slots
- Up to 3 dual-slot GPU support



REFERENCE NUMBERS

Bundle package: 512G-IX2P6E
Chassis: ZW-CTFH690JT
Motherboard: ZW-MX42E73G

FORM FACTOR	Full Tower
MOTHERBOARD	E-ATX 304.8mm x 330.2mm / 12in x 13in (L x W)
CHIPSET	Intel C741
PROCESSOR	4th / 5th Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum / Gold / Silver Processor support Intel Xeon® Max series up to 270W TDP
SOCKET	2 x LGA 4677 (Socket E)
MEMORY	16 x DDR5 RDIMM / RDIMM-3DS DIMM slots RDIMM modules (up to 96GB) RDIMM-3DS modules (up to 256GB) 8-channel per processor 5th Gen Intel® Xeon® up to 5600Mhz memory speed 4th Gen Intel® Xeon® up to 4800MHz memory speed
DIMENSIONS	L x W x H 591mm x 249mm x 691mm / 23.27in x 9.8in x 27.2in (w/ wheels) 591mm x 249mm x 630mm / 23.27in x 9.8in x 24.8in (w/o wheels)
FRONT	2 x USB 3.0, System Reset Switch
REAR	2 x USB 3.2 Gen1 1 x VGA 1 x RJ45 COM 2 x 1Gbps RJ45 1 x MLAN 1 x ID button with LED
EXPANSION	6 x PCIe Gen5 x16 slots
STORAGE	3 x 3.5" / 2.5" SATA 6Gbps HDD bays 2 x 2.5" SATA 6Gbps HDD bays 2 x M.2 NVMe PCIe Gen4 x4 SSD slot (2280/22110, M-key)
POWER SUPPLY	2 x ATX PSU bays (PSU not included)
SYSTEM COOLING	Front: up to 4 x 120/140mm fans, or 360mm Water cooling radiator Top: up to 4 x 120/140mm, or 480mm Water cooling radiator Right: up to 3 x 120mm, or 360mm Water cooling radiator Direct Liquid Cooling ready No Cooling fan or Water Cooling radiator is pre-installed
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

*CPU, CPU Cooler, GPU, Memory, Storage, and OS are not included in the barebone system

ESSENTIAL SERIES

Competitive price to performance products

APPLICATIONS

- AI Inference
- 3D Rendering
- Factory Automation
- 3D Modeling & Simulation
- Digital Twin

511A-IX1P7E

ZOTAC BOLT Workstation Tower with Motherboard Bundle



FEATURE HIGHLIGHTS

- 3rd Gen. Intel® Xeon® Scalable Processors
- Intel® Xeon® W-3300 Processor Family
- 8-Channel RDIMM/LRDIMM/RDIMM-3DS DDR4 Memory, 8 x DIMMs
- Optimized Air Cooling / Water Cooling ready Tower Chassis
- Dual 10Gb/s LAN support (RJ45)
- Dual 1Gb/s LAN support (RJ45)
- 7 x PCIe Gen4 expansion slots
- Up to 3 dual-slot GPU support



REFERENCE NUMBERS

Bundle package: 511A-IX1P7E
Chassis: ZW-CTFH690JT
Motherboard: ZW-MX31AD8A

FORM FACTOR	Full Tower
MOTHERBOARD	ATX 304.8mm x 244mm / 12in x 9.6in (L x W)
CHIPSET	Intel C621A
PROCESSOR	3rd Generation Intel® Xeon® Scalable Processors Intel Xeon® Platinum / Gold / Silver Processor support Intel Xeon® W-3300 Processor support up to 300 W TDP
SOCKET	1 x LGA 4189 (Socket P+)
MEMORY	8 x DDR4 RDIMM / LRDIMM / RDIMM-3DS slots RDIMM / LRDIMM modules (up to 128GB) RDIMM-3DS modules (up to 256GB) 1.2V modules (3200/2933/2666 MHz)
DIMENSIONS	L x W x H 591mm x 249mm x 691mm / 23.27in x 9.8in x 27.2in (w/ wheels) 591mm x 249mm x 630mm / 23.27in x 9.8in x 24.8in (w/o wheels)
FRONT	2 x USB 3.0, System Reset Switch
REAR	4 x USB 3.2 Gen1 1 x VGA 2 x 10Gbps RJ45 2 x 1Gbps RJ45 1 x MLAN 1 x ID button with LED
EXPANSION	7 x PCIe Gen4 slots
STORAGE	1 x MiniSAS connectors for 4 x SATA-3 6Gb/s ports (optional MiniSAS cable) 2 x 7-pin SATA DOM 6Gb/s ports 1 x M.2 NVMe PCIe Gen3 x4 or SATA 6Gb/s SSD slot (2242/2280/22110, M-key) 1 x M.2 NVMe PCIe Gen3 x1 or SATA 6Gb/s SSD slot (2242/2280/22110, M-key)
POWER SUPPLY	2 x ATX PSU bays (PSU not included)
SYSTEM COOLING	Front: up to 4 x 120/140mm fans, or 360mm Water cooling radiator Top: up to 4 x 120/140mm, or 480mm Water cooling radiator Right: up to 3 x 120mm, or 360mm Water cooling radiator Direct Liquid Cooling ready No Cooling fan or Water Cooling radiator is pre-installed
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

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ESSENTIAL SERIES

Competitive price to performance products

APPLICATIONS

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- Factory Automation
- 3D Modeling & Simulation
- Digital Twin

514A-IX2P7E

ZOTAC BOLT Workstation Tower with Motherboard Bundle



FEATURE HIGHLIGHTS

- 4th / 5th Gen Intel® Xeon® Scalable Processors
- Intel® Xeon® Max Series Processor Family
- Dual processor, LGA 4677
- Optimized Air Cooling / Water Cooling ready Tower Chassis
- 8-Channel RDIMM/RDIMM-3DS DDR5 Memory per processor, 16 x DIMMs
- Dual 10Gb/s LAN support (RJ45)
- 6 x PCIe Gen5 x16 expansion slots
- Up to 3 dual-slot GPU support



REFERENCE NUMBERS

Bundle package: 514A-IX2P7E
Chassis: ZW-CTFH690JT
Motherboard: ZW-MX42ED6A

FORM FACTOR	Full Tower
MOTHERBOARD	EEB 314.96mm x 355.6mm / 12.4in x 14in (L x W)
CHIPSET	Intel C741
PROCESSOR	4th / 5th Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum / Gold / Silver Processor support Intel Xeon® Max series up to 350W TDP
SOCKET	2 x LGA 4677 (Socket E)
MEMORY	16 x DDR5 RDIMM / RDIMM-3DS slots RDIMM modules (up to 96GB) RDIMM-3DS modules (up to 256GB) 8-channel per processor 5th Gen Intel® Xeon® up to 5600Mhz memory speed 4th Gen Intel® Xeon® up to 4800MHz memory speed
DIMENSIONS	L x W x H 591mm x 249mm x 691mm / 23.27in x 9.8in x 27.2in (w/ wheels) 591mm x 249mm x 630mm / 23.27in x 9.8in x 24.8in (w/o wheels)
FRONT	2 x USB 3.0, System Reset Switch
REAR	2 x USB 2.0 1 x VGA 2 x 10Gbps RJ45 1 x MLAN 1 x ID button with LED
EXPANSION	6 x PCIe Gen5 x16 slots
STORAGE	3 x OCuLink for 12 SATA-3 6Gb/s ports (optional OCuLink Cable) 1 x 7-pin SATA DOM 6Gb/s ports 3 x OCuLink (PCIe Gen3 x4 or 4 x SATA 6Gbps) connectors 1 x M.2 NVMe PCIe Gen5 x4 or SATA 6Gbps SSD slot (2280/22110, M-key)
POWER SUPPLY	2 x ATX PSU bays (PSU not included)
SYSTEM COOLING	Front: up to 4 x 120/140mm fans, or 360mm Water cooling radiator Top: up to 4 x 120/140mm, or 480mm Water cooling radiator Right: up to 3 x 120mm, or 360mm Water cooling radiator Direct Liquid Cooling ready No Cooling fan or Water Cooling radiator is pre-installed
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

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ESSENTIAL SERIES

Competitive price to performance products

APPLICATIONS

- AI Inference
- 3D Rendering
- Factory Automation
- 3D Modeling & Simulation
- Digital Twin

ZRS-2100M4

ZOTAC 4U Intel CPU Rack Mount
GPU Server (barebone)



FEATURE HIGHLIGHTS

- 3rd Gen. Intel® Xeon® Scalable Processors
- Intel® Xeon® W-3300 Processor Family
- 8-Channel RDIMM/RDIMM-3DS DDR4 Memory, 8 x DIMMs
- Dual 1Gb/s LAN support (RJ45)
- 1+1 2000W 80+ Platinum redundant power supply
- Up to 3 dual-slot GPU support



REFERENCE NUMBERS

Bundle package: ZRS-2100M4
Chassis: ZS-KR4U416M4
Motherboard: ZW-MX31A72G

FORM FACTOR	4U rack mount server
MOTHERBOARD	ATX 304.8mm x 244.0mm / 12 in x 9.6 in (L x W)
CHIPSET	Intel C621A
PROCESSOR	3rd Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum / Gold / Silver Processor support Intel® Xeon® W-3300 Processor support up to 270W TDP
SOCKET	1 x LGA 4189 (Socket P+)
MEMORY	8 x DDR4 RDIMM / LRDIMM / RDIMM-3DS slots RDIMM / LRDIMM modules (up to 128GB) RDIMM-3DS modules (up to 256GB) 1.2V modules (3200/2933/2666 MHz)
DIMENSIONS	L x W x H 688.0mm x 482.0mm x 176mm / 27.10 in x 18.98 in x 6.93 in
FRONT	12 x 3.5/2.5-inch, Hot-Pluggable SATA-3 6Gbps Drive Bays (HDD/SSD)
REAR	4 x USB 3.0 (USB Type A) 1 x VGA (DB15) 2 x 1Gbps Ethernet ports (RJ45) 1 x Dedicated IPMI Management Port (RJ45 MLAN) 1 x UID button with LED 1 x COM port (DB-9)
EXPANSION	4 x Slots PCIe Gen4 x16 (3 x Dual Slot width + 1 x Single Slot width) , or 1 x Slot PCIe Gen4 x16 (Single Slot width) + 6 x Slot PCIe Gen4 x8
STORAGE	3 x SlimSAS connectors for 12 x SATA-3 6Gb/s ports 1 x M.2 Slot: M-Key / PCIe Gen3 x4 / Support 2280 SSD (Internal)
POWER SUPPLY	1+1 2000W 80+ Platinum redundant power supply
SYSTEM COOLING	4 x 92x92x38mm internal fan 2 x hot plug 80x80x38 rear fan
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

*CPU, CPU Cooler, GPU, Memory, Storage, and OS are not included in the barebone system

ESSENTIAL SERIES

Competitive price to performance products

APPLICATIONS

- AI Inference
- 3D Rendering
- Factory Automation
- 3D Modeling & Simulation
- Digital Twin

ZRS-2110M4

ZOTAC 4U Intel CPU Rack Mount GPU Server (barebone)



FEATURE HIGHLIGHTS

- 3rd Gen. Intel® Xeon® Scalable Processors
- Intel® Xeon® W-3300 Processor Family
- 8-Channel RDIMM/RDIMM-3DS DDR4 Memory, 8 x DIMMs
- Dual 10Gb/s + Dual 1Gb/s LAN support (RJ45)
- 1+1 2000W 80+ Platinum redundant power supply
- Up to 3 dual-slot GPU support



REFERENCE NUMBERS

Bundle package: ZRS-2110M4
Chassis: ZS-KR4U416M4
Motherboard: ZW-MX31AD8A

FORM FACTOR	4U rack mount server
MOTHERBOARD	ATX 304.8mm x 244.0mm / 12 in x 9.6 in (L x W)
CHIPSET	Intel C621A
PROCESSOR	3rd Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum / Gold / Silver Processor support Intel® Xeon® W-3300 Processor support up to 300W TDP
SOCKET	1 x LGA 4189 (Socket P+)
MEMORY	8 x DDR4 RDIMM / LRDIMM / RDIMM-3DS slots RDIMM / LRDIMM modules (up to 128GB) RDIMM-3DS modules (up to 256GB) 1.2V modules (3200/2933/2666 MHz)
DIMENSIONS	L x W x H 688.0mm x 482.0mm x 176mm / 27.10 in x 18.98 in x 6.93 in
FRONT	Max. 6 x 3.5/2.5-inch, Hot-Pluggable SATA-3 6Gbps Drive (HDD/SSD) support
REAR	4 x USB 3.2 Gen1 (USB Type A) 1 x VGA (DB15) 2 x 10Gbps Ethernet ports (RJ45) 2 x 1Gbps Ethernet ports (RJ45) 1 x Dedicated IPMI Management Port (RJ45 MLAN) 1 x UID button with LED
EXPANSION	4 Slots PCIe Gen4 x16 (3 x DS + 1 x SS) + 3 x PCIe Gen4 x8 Slots (SS), or 6 Slots PCIe Gen4 x8 (SW) + 1 Slot PCIe Gen4 x16 (SW)
STORAGE	1 x MiniSAS connectors for 4 x SATA-3 6Gb/s ports 2 x 7-pin SATA DOM 6Gb/s ports 1 x M.2 NVMe PCIe Gen3 x4 or SATA 6Gb/s SSD slot (2242/2280/22110, M-key) 1 x M.2 NVMe PCIe Gen3 x1 or SATA 6Gb/s SSD slot (2242/2280/22110, M-key)
POWER SUPPLY	1+1 2000W 80+ Platinum redundant power supply
SYSTEM COOLING	4 x 92x92x38mm internal fan 2 x hot plug 80x80x38 rear fan
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

*CPU, CPU Cooler, GPU, Memory, Storage, and OS are not included in the barebone system

ESSENTIAL SERIES

Competitive price to performance products

APPLICATIONS

- AI Inference
- 3D Rendering
- Factory Automation
- 3D Modeling & Simulation
- Digital Twin

ZRS-3200M4

ZOTAC 4U Dual Intel CPU Rack Mount GPU Server (barebone)



FEATURE HIGHLIGHTS

- 5th and 4th Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/RDIMM-3DS DDR5 Memory per processor, 16 x DIMMs
- Dual processor, LGA 4677
- Dual 1Gb/s LAN support (RJ45)
- 1+1 2000W 80+ Platinum redundant power supply
- Up to 3 dual-slot GPU support



REFERENCE NUMBERS

Bundle package: ZRS-3200M4
Chassis: ZS-KR4U416M4
Motherboard: ZW-MX42ED6A

FORM FACTOR	4U rack mount server
MOTHERBOARD	EATX 304.8mm x 330.2mm / 12 in x 13 in (L x W)
CHIPSET	Intel C741
PROCESSOR	5th and 4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum / Gold / Silver Processor support up to 270W TDP
SOCKET	2 x LGA 4677 (Socket E)
MEMORY	16 x DDR5 RDIMM (8+8) / RDIMM-3DS slots RDIMM modules (up to 96GB) RDIMM-3DS modules (up to 256GB) 8-Channel per processor - 8 x DIMMs - 1.1V modules 5th Gen Intel® Xeon: 5600 MT/s (1DPC) 4th Gen Intel® Xeon: 4800 MT/s (1DPC)
DIMENSIONS	L x W x H 688.0mm x 482.0mm x 176mm / 27.10 in x 18.98 in x 6.93 in
FRONT	12 x 3.5/2.5-inch, Hot-Pluggable SATA-3 6Gbps Drive Bays (HDD/SSD)
REAR	2 x USB 3.2 Gen1 (USB Type A) 1 x VGA (DB15) 2 x 1Gbps Ethernet ports (RJ45) 1 x Dedicated IPMI Management Port (RJ45 MLAN) 1 x UID button with LED 1 x COM port (RJ45)
EXPANSION	6 Slots PCIe Gen5 x16 (Single Slot width)
STORAGE	3 x SlimSAS connectors for 12 x SATA-3 6Gb/s ports (optional SlimSAS cable) 2 x 7-pin SATA DOM 6Gb/s ports 2 x M.2 NVMe PCIe Gen4 x4 SSD slot (2280/22110, M-key)
POWER SUPPLY	1+1 2000W 80+ Platinum redundant power supply
SYSTEM COOLING	4 x 92x92x38mm internal fan 2 x hot plug 80x80x38 rear fan
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

*CPU, CPU Cooler, GPU, Memory, Storage, and OS are not included in the barebone system

ESSENTIAL SERIES

Competitive price to performance products

APPLICATIONS

- AI Inference
- 3D Rendering
- Factory Automation
- 3D Modeling & Simulation
- Digital Twin

ZRS-3210M4

ZOTAC 4U Dual Intel CPU Rack Mount GPU Server (barebone)



FEATURE HIGHLIGHTS

- 5th and 4th Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/RDIMM-3DS DDR5 Memory per processor, 16 x DIMMs
- Dual processor, LGA 4677
- Dual 10Gb/s LAN support (RJ45)
- 1+1 2000W 80+ Platinum redundant power supply
- Up to 3 dual-slot GPU support



REFERENCE NUMBERS

Bundle package: ZRS-3210M4
Chassis: ZS-KR4U416M4
Motherboard: ZW-MX42ED6A

FORM FACTOR	4U rack mount server
MOTHERBOARD	EEB 314.96mm x 355.6mm / 12.4 in x 14 in (L x W)
CHIPSET	Intel C741
PROCESSOR	5th and 4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum / Gold / Silver Processor support up to 350W TDP
SOCKET	2 x LGA 4677 (Socket E)
MEMORY	16 x DDR5 RDIMM (8+8) / RDIMM-3DS slots RDIMM modules (up to 96GB) RDIMM-3DS modules (up to 256GB) 8-Channel per processor - 8 x DIMMs - 1.1V modules 5th Gen Intel® Xeon: 5600 MT/s (1DPC) 4th Gen Intel® Xeon: 4800 MT/s (1DPC)
DIMENSIONS	L x W x H 688.0mm x 482.0mm x 176mm / 27.10 in x 18.98 in x 6.93 in
FRONT	12 x 3.5/2.5-inch, Hot-Pluggable SATA-3 6Gbps Drive Bays (HDD/SSD)
REAR	2 x USB 2.0 (USB Type A) 1 x VGA (DB15) 2 x 10 Gbps Ethernet ports (RJ45) 1 x Dedicated IPMI Management Port (RJ45 MLAN) 1 x UID button with LED
EXPANSION	6 Slots PCIe Gen5 x16 (SS) + 1 Slot PCIe Gen5 x8 Slots (SS) 2 x MCIO connectors (PCIe Gen5 x8) [CPU0]
STORAGE	3 x OcuLink for 12 SATA-3 6Gb/s ports (optional OcuLink Cable) 1 x 7-pin SATA DOM 6Gb/s ports 3 x OcuLink (PCIe Gen3 x 4 or 4 x SATA 6Gbps) connectors 1 x M.2 NVMe PCIe Gen5 x4 or SATA 6Gbps SSD slot (2280/22110, M-key)
POWER SUPPLY	1+1 2000W 80+ Platinum redundant power supply
SYSTEM COOLING	4 x 92x92x38mm internal fan 2 x hot plug 80x80x38 rear fan
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

*CPU, CPU Cooler, GPU, Memory, Storage, and OS are not included in the barebone system

ADVANCED SERIES

Performance focused servers

APPLICATIONS

- Transfer AI Training
- AI Fine Tuning
- LLM Training & Inference
- AI Cloud
- GPU Accelerated HPC

ZRS-3220M4

ZOTAC 4U Dual Intel CPU Rack Mount GPU Server (barebone)



FEATURE HIGHLIGHTS

- 5th and 4th Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/RDIMM-3DS DDR5 Memory per processor, 32 x DIMMs
- Dual processor, LGA 4677
- Dual 1Gb/s LAN support (RJ45)
- 10 x PCIe x16 expansion slots
- 4+1 2000W 80+ Platinum redundant power supply
- Up to 10 dual-slot GPU support



REFERENCE NUMBERS

Bundle package: ZRS-3220M4
Chassis: ZS-KR4U832M4
Motherboard: ZS-MX42PD2A

FORM FACTOR	4U rack mount server
MOTHERBOARD	PROPRIETARY 430.02mm x 350.27mm / 16.93in x 13.79in (L x W)
CHIPSET	Intel C741
PROCESSOR	5th and 4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum / Gold / Silver Processor support up to 350W TDP
SOCKET	2 x LGA 4677 (Socket E)
MEMORY	32 x DDR5 RDIMM / RDIMM-3DS DDR5 slots RDIMM modules (up to 96GB) RDIMM-3DS modules (up to 256GB) 8-Channel per processor - 16 x DIMMs 1.1V modules, 4800MHz/4400MHz memory speed 5th Gen Intel® Xeon: 5600 MT/s (1DPC) / 4400MT/s (2DPC) 4th Gen Intel® Xeon: 4800 MT/s (1DPC) / 4400MT/s (2DPC)
DIMENSIONS	L x W x H 850mm x 438.4mm x 177mm / 33.46 in x 17.26 in x 6.97 in
FRONT	8 x 3.5/2.5 inch SATA-3 6Gbps HDD / SSD ports (Front Drive Bays) 2 x U.2 NVMe 2.5 inch PCIe Gen 3 SSD (Front Drive Bays)
REAR	4 x USB 3.2 Gen1 (USB Type A) 1 x VGA (DB15) 2 x 1Gbps Ethernet ports (RJ45) 1 x dedicated IPMI Management Port (RJ45 MLAN) 1 x UID button with LED 1 x System Reset Button 2 x HDD / System Fault LEDs 1 x NMI Button
EXPANSION	8 x PCIe 5.0 x16 slots (FH Double width slot) 2 x PCIe 4.0 x 16 slots (FH Double width slot) Maximum 10 Dual Slot PCIe Gen 4 GPU support
STORAGE	8 x 3.5/2.5 inch SATA-3 6Gbps HDD / SSD ports (Front Drive Bays) 2 x U.2 NVMe 2.5 inch PCIe Gen 3 SSD (Front Drive Bays) 2 x M.2 NVMe PCIe Gen3 x4 interface (2280/22110, M-key) - Internal
POWER SUPPLY	4+1 2000W 80+ Platinum redundant power supply
SYSTEM COOLING	8 x hot plug fans - 80x80x38mm (Max 10,000 rpm with Shock absorber) - Internal 5 x hot plug fans - 80x80x38mm (Chassis rear panel mount)
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

ADVANCED SERIES

Performance focused servers

APPLICATIONS

- Transfer AI Training
- AI Fine Tuning
- LLM Training & Inference
- AI Cloud
- GPU Accelerated HPC

ZRS-3220M2

ZOTAC 4U Dual Intel CPU Rack Mount GPU Server (barebone)



FEATURE HIGHLIGHTS

- 5th and 4th Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/RDIMM-3DS DDR5 Memory per processor, 32 x DIMMs
- Dual processor, LGA 4677
- Dual 1Gb/s LAN support (RJ45)
- 10 x PCIe x16 slots expansion slots board
- 2+2 2200W 80+ Platinum redundant power supply
- Up to 10 dual-slot GPU support



REFERENCE NUMBERS

Bundle package: ZRS-3220M2
Chassis: ZS-KR4U832M2
Motherboard: ZS-MX42PD2A

FORM FACTOR	4U rack mount server
MOTHERBOARD	PROPRIETARY 430.02mm x 350.27mm / 16.93in x 13.79in (L x W)
CHIPSET	Intel C741
PROCESSOR	5th and 4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum / Gold / Silver Processor support up to 350W TDP
SOCKET	2 x LGA 4677 (Socket E)
MEMORY	32 x DDR5 RDIMM / RDIMM-3DS DDR5 slots RDIMM modules (up to 96GB) RDIMM-3DS modules (up to 256GB) 8-Channel per processor - 16 x DIMMs 1.1V modules, 4800MHz/4400MHz memory speed 5th Gen Intel® Xeon: 5600 MT/s (1DPC) / 4400MT/s (2DPC) 4th Gen Intel® Xeon: 4800 MT/s (1DPC) / 4400MT/s (2DPC)
DIMENSIONS	L x W x H 820.0mm x 448.4mm x 178.0mm / 32.28 in x 17.65 in x 7.0 in
FRONT	8 x 3.5/2.5 inch SATA-3 6Gbps HDD / SSD ports (Front Drive Bays) 2 x U.2 NVMe 2.5 inch PCIe Gen 3 SSD (Front Drive Bays)
REAR	4 x USB 3.2 Gen1 (USB Type A) 1 x VGA (DB15) 2 x 1Gbps Ethernet ports (RJ45) 1 x dedicated IPMI Management Port (RJ45 MLAN) 1 x UID button with LED 1 x System Reset Button 2 x HDD / System Fault LEDs 1 x NMI Button
EXPANSION	8 x PCIe 5.0 x16 slots (FH Double width slot) 2 x PCIe 4.0 x 16 slots (FH Double width slot) , Maximum 10 Dual Slot PCIe Gen 4 GPU support
STORAGE	8 x 3.5/2.5 inch SATA-3 6Gbps HDD / SSD ports (Front Drive Bays) 2 x U.2 NVMe 2.5 inch PCIe Gen 3 SSD (Front Drive Bays) 2 x M.2 NVMe PCIe Gen3 x4 SSD slot (2280/22110, M-key) - Internal
POWER SUPPLY	2+2 2200W 80+ Platinum redundant power supply
SYSTEM COOLING	4 x hot plug fans - 80x80x38mm (Max 10,000 rpm with Shock absorber) - Internal 5 x hot plug fans - 80x80x38mm (Chassis rear panel mount) - Optional
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

*CPU, CPU Cooler, GPU, Memory, Storage, and OS are not included in the barebone system

ADVANCED SERIES

Performance focused servers

APPLICATIONS

- Transfer AI Training
- AI Fine Tuning
- LLM Training & Inference
- AI Cloud
- GPU Accelerated HPC

ZRS-9220M4

ZOTAC 4U Dual AMD CPU Rack Mount GPU Server (barebone)



FEATURE HIGHLIGHTS

- 4th Gen AMD® EPYC™ 9004 series Processors
- Dual processor, LGA 6096
- 12-Channel RDIMM/RDIMM-3DS DDR5 Memory per processor, 24 x DIMMs
- Dual 1Gb/s LAN support (RJ45)
- 10 x PCIe 5.0 x16 expansion slots
- 4+1 2000W 80+ Platinum redundant power supply
- Up to 10 dual-slot GPU support



REFERENCE NUMBERS

Bundle package: ZRS-9220M4
Chassis: ZS-KR4U832M4
Motherboard: ZS-MA42PD4A

FORM FACTOR	4U rack mount server
MOTHERBOARD	PROPRIETARY 430.02mm x 350.01mm / 16.93in x 13.78in (L x W)
CHIPSET	System on Chip
PROCESSOR	4th Generation AMD® EPYC™ 9004 series Processors AMD® EPYC™ 9004 series Processor support AMD® EPYC™ 9004 series processors with AMD® 3D V-Cache™ Technology up to 360W TDP
SOCKET	2 x LGA 6096 (Socket SP5)
MEMORY	24 x DDR5 RDIMM / RDIMM-3DS slots RDIMM modules (up to 96GB -2R) RDIMM-3DS modules (up to 512GB - 2S8Rx4) 12-channel per processor 1.1V modules, 4800MHz memory speed
DIMENSIONS	L x W x H 850mm x 438.4mm x 177mm / 33.46 in x 17.26 in x 6.97 in
FRONT	12 x, 3.5/2.5-inch, Hot-Pluggable SATA-3 6Gbps Drive Bays (HDD/SSD) or 8 x 3.5/2.5-inch, Hot-Pluggable SATA-3 6Gbps Drive Bays (HDD/SSD) + 4 x U.2 NVMe PCIe Gen 3 SSD drive Bays (Share with one PCIe Gen5 x 16 Slot)
REAR	4 x USB 3.2 Gen1 (USB Type A) 1 x VGA (DB15) 2 x 1Gbps Ethernet ports (RJ45) 1 x Dedicated IPMI Management Port (RJ45 MLAN) 1 x UID button with LED 1 x System Reset Button 2 x HDD / System Fault LEDs 1 x NMI Button
EXPANSION	10 x PCIe 5.0 x16 slots (FH Double width slot) - Maximum 10 Dual Slot PCIe Gen 4 GPU support
STORAGE	Max. 32 x SATA-3 6Gbps HDD / SSD ports (4xMICO connectors) -Share with 2xPCIe x16 Slots 2 x M.2 NVMe PCIe Gen3 x4 or SATA-3 6Gbps SSD slot (2280/22110, M-key)
POWER SUPPLY	4+1 2000W 80+ Platinum redundant power supply
SYSTEM COOLING	8 x hot plug fans - 80x80x38mm (Max 10,000 rpm with Shock absorber) - Internal 5 x hot plug fans - 80x80x38mm (Chassis rear panel mount)
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

ADVANCED SERIES

Performance focused servers

APPLICATIONS

- Transfer AI Training
- AI Fine Tuning
- LLM Training & Inference
- AI Cloud
- GPU Accelerated HPC

ZRS-9220M2

ZOTAC 4U Dual AMD CPU Rack Mount GPU Server (barebone)



FEATURE HIGHLIGHTS

- 4th Gen AMD® EPYC™ 9004 series Processors
- Dual processor, LGA 6096
- 12-Channel RDIMM/RDIMM-3DS DDR5 Memory per processor, 24 x DIMMs
- Dual 1Gb/s LAN support (RJ45)
- 10 x PCIe 5.0 x16 expansion slots
- 2+2 2200W 80+ Platinum redundant power supply
- Up to 10 dual-slot GPU support



REFERENCE NUMBERS

Bundle package: ZRS-9220M2
Chassis: ZS-KR4U832M2
Motherboard: ZS-MA42PD4A

FORM FACTOR	4U rack mount server
MOTHERBOARD	PROPRIETARY 430.02mm x 350.01mm / 16.93in x 13.78in (L x W)
CHIPSET	System on Chip
PROCESSOR	4th Generation AMD® EPYC™ 9004 series Processors AMD® EPYC™ 9004 series Processor support AMD® EPYC™ 9004 series processors with AMD® 3D V-Cache™ Technology up to 360W TDP
SOCKET	2 x LGA 6096 (Socket SP5)
MEMORY	24 x DDR5 RDIMM / RDIMM-3DS slots RDIMM modules (up to 96GB -2R) RDIMM-3DS modules (up to 512GB - 2S8Rx4) 12-channel per processor 1.1V modules, 4800MHz memory speed
DIMENSIONS	L x W x H 820.0mm x 448.4mm x 178.0mm / 32.28 in x 17.65 in x 7.0 in
FRONT	12 x, 3.5/2.5-inch, Hot-Pluggable SATA-3 6Gbps Drive Bays (HDD/SSD) or 8 x 3.5/2.5-inch, Hot-Pluggable SATA-3 6Gbps Drive Bays (HDD/SSD) + 4 x U.2 NVMe PCIe Gen 3 SSD drive Bays (Share with one PCIe Gen5 x 16 Slot)
REAR	4 x USB 3.2 Gen1 (USB Type A) 1 x VGA (DB15) 2 x 1Gbps Ethernet ports (RJ45) 1 x Dedicated IPMI Management Port (RJ45 MLAN) 1 x UID button with LED 1 x System Reset Button 2 x HDD / System Fault LEDs 1 x NMI Button
EXPANSION	10 x PCIe 5.0 x16 slots (FH Double width slot) - Maximum 10 Dual Slot PCIe Gen 4 GPU support
STORAGE	Max. 32 x SATA-3 6Gbps HDD / SSD ports (4xMICO connectors) - Share with 2xPCIe x16 Slots 2 x M.2 NVMe PCIe Gen3 x4 or SATA-3 6Gbps SSD slot (2280/22110, M-key)
POWER SUPPLY	2+2 2200W 80+ Platinum redundant power supply
SYSTEM COOLING	4 x hot plug fans - 80x80x38mm (Max 10,000 rpm with Shock absorber) - Internal 5 x hot plug fans - 80x80x38mm (Chassis rear panel mount) - Optional
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

PREMIER SERIES

Performance focused servers

APPLICATIONS

- Large Language Model (LLM) AI Training
- LLM Fine Tuning
- Cloud AI Training
- GPU accelerated HPC

ZRS-3260G1

ZOTAC 4U Dual Intel CPU Rack Mount
GPU Server (barebone)



FEATURE HIGHLIGHTS

- 5th and 4th Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/RDIMM-3DS DDR5 Memory per processor, 32 x DIMMs
- Dual processor, LGA 4677
- Dual 10Gb/s LAN support (RJ45)
- 8 x PCIe 5.0 x16 expansion slots
- 3+1 CRPS 3000W (240V) 80+ Titanium redundant power supply
- Up to 8 dual-slot GPU support



REFERENCE NUMBERS

Bundle package: ZRS-3260G1

FORM FACTOR	4U rack mount server
CHIPSET	Intel C741
PROCESSOR	5th and 4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum / Gold / Silver Processor support Intel Xeon® Max series up to 350W TDP
SOCKET	2 x LGA 4677 (Socket E)
MEMORY	32 x RDIMM / RDIMM-3DS DDR5 DIMM slots RDIMM modules (up to 96GB) RDIMM-3DS modules (up to 256GB) 8-channel per processor 5th Gen Intel® Xeon®: Up to *5600MHz (1DPC), 4400MHz(2DPC) 4th Gen Intel® Xeon®: Up to 4800MHz (1DPC), 4400MHz(2DPC) Intel® Xeon® Max Series: Up to 4800MHz (1DPC), 4400MHz(2DPC)
DIMENSIONS	L x W x H 880mm x 448.4mm x 176mm / 34.65 in x 17.64 in x 6.93 in
FRONT	8 x 3.5/2.5 inch Gen5 NVMe/SATA hot-swappable bays 4 x 3.5/2.5 inch SATA-3 6Gbps hot-swappable bays
REAR	2 x USB 3.2 Gen1 (USB Type A) 1 x VGA (DB15) 2 x 10Gbps Ethernet ports (RJ45) 1 x Dedicated IPMI Management Port (RJ45 MLAN) 1 x UID button with LED 1 x System Reset Button 2 x HDD / System Fault LEDs 1 x NMI Button
EXPANSION	8 x PCIe 5.0 x16 slots (FH Double width slot) - Maximum 8 Dual Slot GPU cards
STORAGE	4 x 3.5/2.5 inch SATA-3 6Gbps HDD / SSD ports (Front Drive Bays) 8 x U.2 NVMe 3.5/2.5 inch SSD (Front Drive Bays) 1 x M.2 NVMe PCIe Gen3 x1 SSD slot (2280/22110, M-key) - Internal
POWER SUPPLY	3+1 CRPS 3000W (240V) 80+ Titanium redundant power supply
SYSTEM COOLING	12 x hot plug fans - 60x60x38mm (Max 23,000 rpm)
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

*CPU, CPU Cooler, GPU, Memory, Storage, and OS are not included in the barebone system

PREMIER SERIES

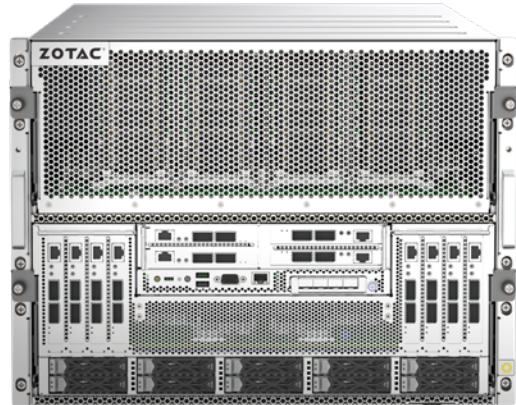
Performance focused servers

APPLICATIONS

- Large Language Model (LLM) AI Training
- LLM Fine Tuning
- Cloud AI Training

ZRS-3290H1

ZOTAC 8U Dual Intel CPU Rack Mount GPU Server (barebone)



FEATURE HIGHLIGHTS

- 5th and 4th Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/RDIMM-3DS DDR5 Memory per processor, 32 x DIMMs
- Dual processor, LGA 4677
- Dual 1Gb/s LAN support (RJ45)
- 2 x 2700W 12V Power Supply Unit for CPU module (1+1 redundant)
- 6 x 3200W 54V Power Supply Unit for GPU module (3+3 redundant)



REFERENCE NUMBERS

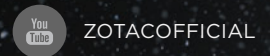
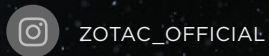
Bundle package: ZRS-3290H1

FORM FACTOR	8U rack mount server
CHIPSET	Intel C741
PROCESSOR	5th and 4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum / Gold / Silver Processor support Intel Xeon® Max series up to 350W
SOCKET	2 x LGA 4677 (Socket E)
MEMORY	32 x RDIMM / RDIMM-3DS DDR5 DIMM slots RDIMM modules (up to 96GB) RDIMM-3DS modules (up to 256GB) 8-channel per processor 5th Gen Intel® Xeon®: Up to *5600MHz (1DPC), 4400MHz(2DPC) 4th Gen Intel® Xeon®: Up to 4800MHz (1DPC), 4400MHz(2DPC) Intel® Xeon® Max Series: Up to 4800MHz (1DPC), 4400MHz(2DPC)
DIMENSIONS	L x W x H 900mm x 447.0mm x 352mm / 33.46 in x 17.26 in x 6.97 in
FRONT	8 x 2.5 inch NVMe SSD - for GPU 2 x 2.5 inch SATA/NVMe SSD - for CPU 1 x SATA / NVMe (M.2) SSD - Internal
REAR	1 x USB 3.0 + 1 x USB 2.0 (USB Type A) 1 x VGA (DB15) 2 x 1Gbps Ethernet ports (RJ45) 1 x Dedicated IPMI Management Port (RJ45 MLAN) 1 x UID button with LED 1 x System Power Button with indicator 1 x System Status LEDs 1 x COM (UART port) over Type-C
EXPANSION	Compatible with the latest NVIDIA® HGX module and AMD® Instinct OAM module
STORAGE	Up to 10 x 2.5 inch NVMe SSD , or Up to 10 x 2.5 inch SATA SSD drive support 1 x SATA / NVMe (M.2) SSD drive - Internal
POWER SUPPLY	2 x 2700W 12V Power Supply Unit for CPU module (1+1 redundant) 6 x 3200W 54V Power Supply Unit for GPU module (3+3 redundant)
SYSTEM COOLING	15 x hot plug fans - 80x80x86mm , N+1 redundant
SECURITY	1 x TPM header with SPI interface Optional TPM 2.0 Module

*CPU, CPU Cooler, GPU, Memory, Storage, and OS are not included in the barebone system

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