




Essential Series

 **4U**
FORM FACTOR

 **1**
CPU
SOCKETS

 **8**
DIMM



ZRS-2110M4

4U Intel CPU Rack Mount GPU Server (Barebone)

REFERENCE NUMBERS

- Barebone Package: ZRS-2110M4
- Chassis: ZS-KR4U416M4
- Motherboard: ZW-MX31AD8A

FEATURES

- **3RD GEN. INTEL® XEON® SCALABLE PROCESSORS**
- **DDR4, 8 x RDIMM / LRDIMM / RDIMM-3DS DIMM slots**
- **DUAL 10GB/S LAN SUPPORT (RJ45)**
- **OPTIMIZED AIR COOLING 4U RACKMOUNT CHASSIS**
- **7 X PCIE GEN4 EXPANSION SLOTS**

APPLICATIONS

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



DIMENSIONS	688.0mm x 482.0mm x 176mm / 27.10 in x 18.98 in x 6.93 in
MOTHERBOARD	ATX 304.8mm x 244.0mm / 12 in x 9.6 in (L x W)
CPU	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+)
CHIPSET	Intel C621A
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)
LAN	2 x 10Gbps Intel LAN ports (Intel® X710-AT2) 2 x 1Gbps Intel LAN ports (Intel® i210) 1 x Dedicated management port (BMC)
VIDEO	Integrated Aspeed® AST2600 1920x1200@60Hz, DDR4 SDRAM
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)
RAID	Intel® SATA RAID 0/1/10/5 (Software RAID)
EXPANSION SLOTS	4 x Slots PCIe Gen4 x16 (3 x DS + 1 x SS) + 3 x PCIe Gen4 x8 Slots (SS), or 6 x Slots PCIe Gen4 x8 (SW) + 1 x Slot PCIe Gen4 x16 (SW)
FRONT I/O	Max. 6 x 3.5/2.5-inch, Hot-Pluggable SATA-3 6Gbps Drive (HDD/SSD) support
REAR I/O	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
TPM	1 x TPM header with SPI interface Optional TPM 2.0 Module
POWER SUPPLY	1+1 2000W 80+ Platinum redundant power supply
OS COMPATIBILITY	Windows Server 2022 / 2019 (x64) Red Hat Enterprise Linux 9.2 / 9.1 / 9.0 / 8.7 / 8.6 (x64) SUSE Linux Enterprise Server 15SP4 (x64) Ubuntu 22.04.3 / 22.04.2 / 22.04.1 / 22.04 LTS (x64) VMware ESXi 8.0 Update 1 / 7.0 Update 3i Citrix Hypervisor 8.2 LTSR CU1
SYSTEM COOLING	4 x 92x92x38mm internal fan 2 x hot plug 80x80x38 rear fan
OPERATING PROPERTIES	Operating temperature: 10°C to 35°C Operating humidity: 8%-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
CONTENTS	1 x full barebone unit* 2 x A/C power cords
PACKAGE DIMENSIONS	950mm x 660mm x 360mm 37.40 in x 25.98 in x 14.17in

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