




Essential Series

 **4U**
FORM FACTOR

 **1**
CPU
SOCKETS

 **8**
DIMM



ZRS-2100M4

4U Intel Rack Mount GPU Server (Barebone)

REFERENCE NUMBERS

- Barebone Package: ZRS-2100M4
- Chassis: ZS-KR4U416M4
- Motherboard: ZW-MX31A72G

FEATURES

- **3RD GEN. INTEL® XEON® SCALABLE PROCESSORS**
- **INTEL® XEON® W-3300 PROCESSOR FAMILY**
- **DDR4, 8 X RDIMM / LRDIMM / RDIMM-3DS DIMM SLOTS**
- **DUAL 1GB/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 270W 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 1Gbps Intel LAN ports (Intel® I210-AT) 1 x Dedicated management port (BMC) |
| VIDEO | Integrated Aspeed® AST2600 1920x1200@60Hz, DDR4 SDRAM |
| 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) |
| RAID | Intel® SATA RAID 0/1/10/5 |
| EXPANSION SLOTS | 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 |
| FRONT I/O | 12 x 3.5/2.5-inch, Hot-Pluggable SATA-3 6Gbps Drive Bays (HDD/SSD) |
| REAR I/O | 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) |
| 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