

Advanced Series


4U

FORM FACTOR


2

 CPU
SOCKETS

32

DIMM



ZRS-3220M4

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

REFERENCE NUMBERS

- Barebone Package: ZRS-3220M4
- Chassis: ZS-KR4U832M4
- Motherboard: ZS-MX42PD2A

FEATURES

- 5TH AND 4TH GEN. INTEL® XEON® SCALABLE PROCESSORS
- DDR5, 32 x RDIMM / RDIMM-3DS DIMM slots
- DUAL 1GB/S LAN SUPPORT (RJ45)
- OPTIMIZED AIR COOLING 4U RACKMOUNT CHASSIS
- 10 X PCIE x16 EXPANSION SLOTS

APPLICATIONS

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



DIMENSIONS (L x W x H)	850mm x 438.4mm x 177mm / 33.46 in x 17.26 in x 6.97 in
MOTHERBOARD	PROPRIETARY 430.02mm x 350.27mm / 16.93in x 13.79in (L x W)
CPU	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)
CHIPSET	Intel C741
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)
LAN	2 x 1Gbps Intel LAN ports (I350) 1 x Dedicated management port (BMC)
VIDEO	Integrated Aspeed® AST2600 1920x1200@60Hz, DDR4 SDRAM
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
RAID	Intel® SATA RAID 0/1/10/5 (Software RAID)
EXPANSION SLOTS	10 x PCIe 5.0 x16 slots (Full Height Double width slot), Supports up to 10 Dual Slot PCIe Gen 5 GPU cards
FRONT I/O	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) 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
TPM	1 x TPM header with SPI interface Optional TPM 2.0 Module
POWER SUPPLY	4+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	8 x hot plug fans - 80x80x38mm (Max 10,000 rpm with Shock absorber) - Internal 5 x hot plug fans - 80x80x38mm (Chassis rear panel mount)
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* 5 x A/C power cords
PACKAGE DIMENSIONS	1110mm x 652mm x 350mm / 43.70 in x 25.67 in x 13.78 in *GPU, CPU, CPU Cooler, Memory, Storage, and OS are not included in the barebone system