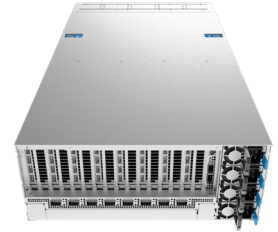
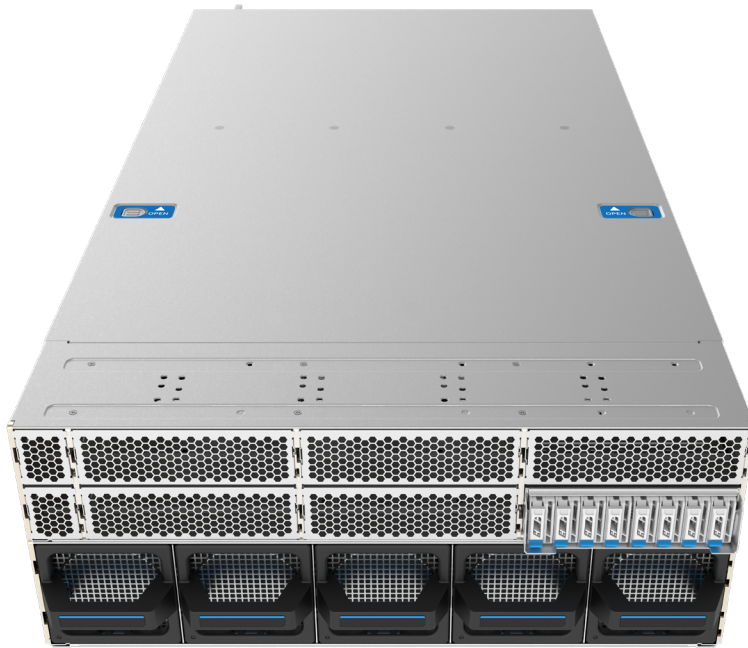


## Premier Series

**4U**  
FORM FACTOR

**2**  
CPU  
SOCKETS

**32**  
DIMMS  
TOTAL



## ZRS-MGX-R1

ZOTAC NVIDIA MGX™ 4U GPU SERVER WITH NVIDIA CONNECTX® 8 SUPERNIC™  
CHASSIS POWERED BY CHENBRO

### REFERENCE NUMBERS

- Barebone Package: ZRS-MGX-R1

### FEATURES

- **4U SERVER - NVIDIA MGX™ ARCHITECTURE**
- **6TH GEN. INTEL® XEON® SCALABLE PROCESSORS**
- **8-CHANNEL RDIMM, 32 X DIMMS TOTAL**
- **8 X NVIDIA RTX PRO™ 6000 BLACKWELL SERVER EDITION GPUS**
- **3+1 3200W TITANIUM POWER SUPPLY**

### APPLICATIONS

- NVIDIA Omniverse™ Enterprise Server
- Large scale Digital Twins
- Accelerated computing / HPC
- LLM inference & Fine tuning



<b>DIMENSIONS</b>	858mm (Depth) x 440mm (Width) x 175mm (Height)
<b>CPU</b>	Intel® Granite Rapids / Sierra Forest Intel® Xeon® 6 6500 / 6700 processor support
<b>SOCKET</b>	2 x LGA4710 (Package Carrier E2A / E2B)
<b>CHIPSET</b>	N/A
<b>MEMORY</b>	8-channel (2DPC) DDR5 RDIMM / MRDIMM per CPU DDR5 6400 - 1DPC / DDR5 5200 - 2DPC 32 x DIMMs total Compatible memory modules: 32GB, 64GB, 96GB, 128GB
<b>LAN</b>	8 x 400Gbps ports (QSFP, NVIDIA® ConnectX®-8 SuperNIC™) 2 x 10GbE LAN ports 1 x 1GbE management port (BMC)
<b>VIDEO</b>	Integrated Aspeed® AST2600 1920x1200@60Hz, DDR4 SDRAM
<b>STORAGE</b>	2 x NVMe PCIe Gen 5 x4 M.2 Slot (M-Key 22110 / 2280) 8 x 2.5 inch Front Hot-Swap Storage Bays ( up to 8 x E1.S 25mm height)
<b>RAID</b>	Intel® SATA RAID 0/1/10/5
<b>EXPANSION SLOTS</b>	8 x PCIe Gen 5 x 16 Slot (x16 PCIe Signal) - Configured with 8 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition GPUs 1 x PCIe Gen 5 x 16 Slot (x16 PCIe Signal) - Configured with 1 x NVIDIA® BlueField®-3 DPU
<b>Front I/O</b>	2 x USB 3.2 Gen 1 Type A ports 2 x 10GbE Ethernet Ports 1 x 1GbE BMC management port 1 x Mini-DisplayPort
<b>Rear I/O</b>	8 x PCIe Gen 5 x 16 Slot (x16 PCIe Signal) - Configured with 8 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition GPUs 1 x PCIe Gen 5 x 16 Slot (x16 PCIe Signal) - Configured with 1 x NVIDIA® BlueField®-3 DPU 8 x 400Gbps ports (QSFP, NVIDIA® ConnectX®-8 SuperNIC™)
<b>TPM</b>	On-board TPM 2.0 Hardware Root of Trust - Microchip CEC1736
<b>POWER SUPPLY</b>	4 x Redundant 3200W CRPS 80 Plus Titanium PSU (3+1)
<b>OS COMPATIBILITY</b>	Windows Server 2022 / 2019 (x64) Red Hat Enterprise Linux 9.1 / 9.0/ 8.7 (x64) Ubuntu 22.04 LTS (x64) VMware ESXi 8.0 / 7.0 Update2 Citrix Hypervisor 8.2.0
<b>SYSTEM COOLING</b>	5 x internal 80x80x80 mm Dual Rotor Ball Bearing Fans for GPU Zone Air cooling 5 x internal 80x80x80 mm Dual Rotor Ball Bearing Fans for HPM Zone Air cooling (Hot Swappable)
<b>OPERATING PROPERTIES</b>	Operating temperature: 0°C to 35°C Operating humidity: 8-90% (non-condensing) Non-operating temperature: -20°C to 70°C Non-operating humidity: 5%-85% (non-condensing)
<b>CONTENTS</b>	1 x ZRS-MGX-R1 4U Rackmount System 2 x CPU heatsinks 4 x CPU Package Carriers 1 x L-shape Rail Kit 4 x CRPS (Pre-installed) 10 x System Cooling fans (Pre-installed) CPU and Memory (SKU option) Internal Storage device (SKU option) Front Panel Storage device (SKU option)
<b>PACKAGE DIMENSIONS</b>	100.0 cm X 59.0cm X 30.0 cm

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