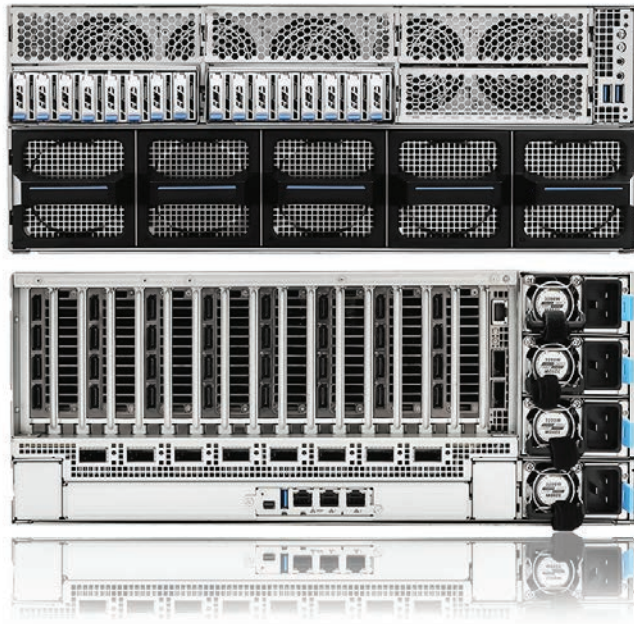


4U
FORM FACTOR

2
CPU
SOCKETS

32
DIMMS
TOTAL



AGS-4UMGX-R1

NVIDIA® MGX powered 4U 8GPU Server
with NVIDIA® ConnectX-8 SuperNIC

CHASSIS POWERED BY CHENBRO

FEATURES

- 4U Rackmount NVIDIA® MGX form factor GPU Server
- 2 x Intel® Xeon 6th GEN Scalable processor support
- 8 Channels DDR5 RDIMM per CPU / Max. 32 RDIMMs
- 8 x PCIe Gen 5 x 16 Slots for NVIDIA® RTX PRO 6000 Blackwell Server Edition GPU card support
- NVIDIA® ConnectX-8 SuperNIC - 8 x 400Gbps QSFP ports
- 2 x 10GbE Ethernet ports, and 1GbE Management port (BMC)
- 8 x 2.5 inch front Hot-Swap storage drive bay, up to 8 x E1.S form factor drive (25mm)
- On-board TPM 2.0 hardware root of trust
- 4 x 3200W (3+1 redundant) CRPS 80 Plus Titanium Power supply units



APPLICATIONS

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

MODEL NAME	INNO3D MGX® 4U GPU Server /ConnexX-8 SuperNIC
FORM FACTOR	NVIDIA® MGX 4U Rackmount
CPU	Intel® Granite Rapids / Sierra Forest Intel® Xeon® 6 6500 / 6700 processor support
SOCKET	2 x LGA4710 (Package Carrier E2A / E2B)
CHIPSET	N/A
MEMORY	8-channel (2DPC) DDR5 RDIMM / MRDIMM per CPU DDR5 6400 - 1DPC / DDR5 5200 - 2DPC 32 x DIMMs total
MEMORY MODULE	32GB, 64GB, 96GB, 128GB
LAN	8 x 400Gbps ports (QSFP, NVIDIA® ConnexX®-8 SuperNIC) 2 x 10GbE LAN ports & 1 x 1GbE management port (BMC)
VIDEO	Integrated Aspeed® AST2600 1920x1200@60Hz, DDR4 SDRAM
STORAGE (Internal)	2 x NVMe PCIe Gen 5 x4 M.2 Slot (M-Key 22110 / 2280)
STORAGE (Drive Bay)	8 x 2.5 inch Front Hot-Swap Storage Bays (up to 8 x E1.S 25mm height)
RAID	Intel® SATA RAID 0/1/10/5
EXPANSION SLOTS	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
Multi-GPU support	NVIDIA RTX PRO™ 6000 Blackwell Server Edition (Up to 8 cards)
FRONT and REAR I/O	8 x 400Gbs QSFP ports 2 x USB 3.2 Gen 1 Type A ports 2 x 10GbE Ethernet port 1 x 1GbE BMC management port 1 x Mini-DisplayPort
On Board I/O	N/A
TPM	On-board TPM 2.0 Hardware Root of Trust - Microchip CEC1736
POWER SUPPLY	4 x Redundant 3200W CRPS 80 Plus Titanium PSU (3+1)
OS COMPATIBILITY	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
COOLING / SYSTEM FANS	Air Cool: 5 x internal 80x80x80 mm Dual Rotar Ball Bearing Fan for GPU Zone Air cooling 5 x internal 80x80x80 mm Dual Rotar Ball Bearing Fan for HPM Zone Air cooling (Hot Swapping support)
OPERATING PROPERTIES	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)
CONTENTS	1 x AGS-4UMGX-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)
PRODUCT DIMENSIONS	85.8cm (Depth) x 44cm (Width) x 17.5cm (Height)

DISCLAIMER

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

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