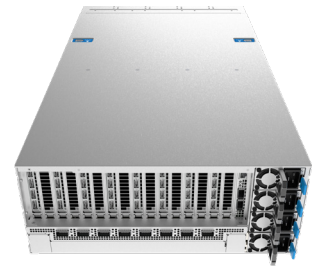


4U
FORM FACTOR

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 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

DIMENSIONS (L x W x H)	858mm x 440mm x 175mm
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 Compatible memory modules: 32GB, 64GB, 96GB, 128GB
LAN	8 x 400Gbps ports (QSFP, NVIDIA® ConnectX® -8 SuperNIC) 2 x 10GbE LAN ports 1 x 1GbE management port (BMC)
VIDEO	Integrated Aspeed® AST2600 1920x1200@60Hz, DDR4 SDRAM
STORAGE	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)
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
FRONT I/O	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
REAR I/O	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)
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
SYSTEM COOLING	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)
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 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)
PACKAGE DIMENSIONS (L x W x H)	1000mm x 590mm x 300mm

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

DISCLAIMER

The information presented in this document is for informational purposes only and may contain technical inaccuracies, omissions and typographical errors. The information contained herein is subject to change and may be rendered inaccurate for many reasons, including but not limited to product and specification changes, component and motherboard version changes, new model and/or product releases, product difference between differing manufacturers, software changes, BIOS flashes, firmware upgrades, or this like. InnoVISION assumes no obligation to update or otherwise correct or revise this information. However, InnoVISION reserves the rights to revise this information and to make changes from time to time to the content hereof without obligation of InnoVISION to notify any person of such revision or changes. InnoVISION makes no representations or warranties with respect to the contents hereof and assumes no responsibility for any inaccuracies, errors or omissions that may appear in this information.

Copyright Notice

© Copyright, InnoVISION Multimedia Limited. All rights reserved. The INNO3D®, INNO3D Brutal by Nature Logo, are the registered and/or trademarks of InnoVISION Multimedia Limited in Asia, Europe and / or other countries. NVIDIA®, NVIDIA logo are registered and/or trademarks of NVIDIA Corporation in the United States and other countries. All other trademarks and registered trademarks are the property of their respective owners.