



AGS-6220V2

INNO3D 6U GPU Server /PCIe Switch Edition

FEATURES

- 6U Rackmount GPU Server
- 2 x Intel® Xeon 5th 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
- Dual 25GbE OCP 3.0 NIC module
- 6 x 2.5-inch front drive bay for NVMe / SSD drives
- Intel® SATA RAID 0/1/10/5 - VROC key support
- 1GbE management port (BMC)
- 4 x 2700W (3+1 redundant) CRPS 80 Plus Titanium Power supply units



APPLICATIONS

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

MODEL NAME	INNO3D 6U GPU Server /PCIe Switch Edition
FORM FACTOR	6U Rackmount
CPU	Intel® Emeralds Rapids-SP Intel® Xeon®Platinum / Gold / Silver & Bronze processor support
SOCKET	2 x LGA4677 (Socket E)
CHIPSET	Intel C741
MEMORY	8-channel (2DPC) DDR5 RDIMM / MRDIMM per CPU DDR5 5600 - 1DPC / DDR5 4400 - 2DPC 32 x DIMMs total
MEMORY MODULE	32GB, 64GB, 96GB, 128GB
LAN	1 x Mellanox® ConnectX 4 (Dual 25GbE OCP 3.0 NIC) 1 x 1GbE management port (BMC)
VIDEO	Integrated Aspeed® AST2600 1920x1200@60Hz, DDR4 SDRAM
STORAGE (Internal)	1 x NVMe PCIe Gen 3 x1 M.2 Slot (M-Key 22110 / 2280)
STORAGE (Drive Bay)	6 x 2.5 inch Front Hot-Swap Storage Bays (SSD / NVMe Drive support)
RAID	Intel® SATA RAID 0/1/10/5 - VROC Key Support
EXPANSION SLOTS	8 x PCIe Gen 5 x 16 Slot - NVIDIA® RTX PRO 6000 BSE Support (Optional) 8 x PCIe Gen 5 x 16 Slot - NVIDIA® ConnectX-7 SmartNIC Support (Optional) 1 x PCIe Gen 5 x 16 Slot - Reserved for NVIDIA® BlueField®-3 DPU (Optional) (with PEX 89104 PCIe Gen 5 Switch)
Multi-GPU support	NVIDIA RTX PRO 6000 BSE (Up to 8 cards) / NVIDIA RTX PRO 4500 BSE (Up to 8 cards)
FRONT and REAR I/O	3+1 Redundant 2700W CRPS 80 Plus Titanium Power Supply Unit (Rear) 6 x 2.5 inch SATA-3 6Gbps / HDD / SSD / NVMe drive bays (Rear) 2 x USB 3.2 Gen 1 (USB Type A) (Rear) 1 x DB15 VGA port (Rear) 1 x 1GbE BMC Ethernet port (RJ45) (Rear) 1 x UID button with LED (Front) 1 x System Reset Button (Front)
On Board I/O	N/A
TPM	On-board TPM 2.0 Hardware Root of Trust (Optional)
POWER SUPPLY	4 x Redundant 2700W CRPS 80 Plus Titanium PSU (3+1)
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 15 SP4 (x64) Ubuntu 22.04 LTS (x64) VMware ESXi 8.0 / 7.0 Update 3i Citrix Hypervisor 8.2.0
COOLING / SYSTEM FANS	Air Cool: 4 x 8054 Dual Rotar Ball Bearing Fan for Front Air cooling 4 x 8054 internal Dual Rotar Ball Bearing Fan for internal Air cooling 8 x 8054 Dual Rotar Ball Bearing Fan for Rear Air cooling (Hot Swapping support)
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: 10%-95% (non-condensing)
CONTENTS	1 x AGS-6220V2 6U Rackmount System 2 x CPU heatsinks 4 x CPU Package Carriers 1 x L-shape Rail Kit (Optional) 4 x CRPS (Pre-installed) 12 x System Cooling fans (Pre-installed) CPU and Memory (SKU option) Internal Storage device (SKU option) Rear Panel Storage device (SKU option)
PRODUCT DIMENSIONS	85cm (Depth) x 43.8cm (Width) x 26.4cm (Height)

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