



6U

FORM FACTOR



8X

GPU  
SUPPORT



2X

LGA 4677  
CPU



# AGS-6220V2-F00

6U Dual Intel® CPU Rack Mount GPU Server (Turnkey System)

## REFERENCE NUMBERS

SKU# AGS-6220V2-F00  
ITEM# OK225-F001



## TURNKEY SYSTEM CONFIGURATION

- 2x INTEL® XEON GOLD 6530 PROCESSORS
- 16 x 64GB 5600MT/s DDR5 RDIMM MEMORY
- 2 X 2.5-INCH 3.84TB PCIE GEN4 NVMe + 1 x 512GB M.2 INTERNAL SSD
- 8x NVIDIA® RTX PRO 6000BSE GPU CARDS
- 1x 25Gbps OCP NETWORK MODULE INSTALLED
- INTEL® VROC ENTERPRISE RAID
- 3+1 2700W POWER SUPPLY

## APPLICATIONS

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

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|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIMENSIONS (L x W x H) | 900mm x 438mm x 264mm                                                                                                                                                                                                                                                                                                                                                                       |
| MOTHERBOARD            | LGA 4677 - Proprietary Form Factor                                                                                                                                                                                                                                                                                                                                                          |
| CPU SUPPORT#           | <b>Factory installed: Intel® Xeon® Gold 6530 CPU x 2</b><br>Support 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 SUPPORT#        | <b>Factory installed: 16 x 64GB RDIMM DDR5 5600MT/s Memory - Total 1TB</b><br>32 x DDR5 RDIMM / RDIMM-3DS DDR5 slots<br>RDIMM modules (up to 96GB) RDIMM-3DS modules (up to 256GB) 8-Channel per processor - 16 x DIMMs<br>1.1V modules, 4800MHz/4400MHz memory speed<br>5th Gen Intel® Xeon: 5600 MT/s (1DPC) / 4400MT/s (2DPC)<br>4th Gen Intel® Xeon: 4800 MT/s (1DPC) / 4400MT/s (2DPC) |
| LAN#                   | <b>Factory installed: 25Gbp OCP network card</b><br>1 x Dedicated management port (BMC)                                                                                                                                                                                                                                                                                                     |
| STORAGE#               | <b>Factory installed: 2 x 3.84TB 2.5 inch M.2 NVMe SSD + 1 x M.2 512GB internal Card</b><br>8 x 3.5/2.5-inch SATA-3 6Gbps HDD/SSD ports + 4 x NVMe Drive Bays<br>1x M.2 NVMe port (2280/22110, M-key) -Internal                                                                                                                                                                             |
| RAID#                  | <b>Factory installed: VROC RAID dongle for VROC Software RAID support)</b><br>Intel® SATA RAID 0/1/10/5 (Intel® VROC Software RAID Enabled)                                                                                                                                                                                                                                                 |
| EXPANSION SLOTS#       | <b>Factory installed: 8 x NVIDIA RTX PRO 6000BSE GPU Cards</b><br>(* Direct CPU drive without PCIe switch)                                                                                                                                                                                                                                                                                  |
| I/O                    | <b>Factory installed: 4 x (3+1) 2700W Platinum redundant</b><br>power supply unit 1 x UID button with LED<br>1 x System Reset Button<br>12 x 2.5/3.5inch SATA-3 6Gbps (8x SATA HDD / SSD + 4x NVMe ports) 2 x USB 3.2 Gen1 (USB Type A)<br>1 x VGA (DB15)<br>1 x IPMI Dedicated management port (RJ45 MLAN)<br>2 x HDD / System Fault LEDs                                                  |
| TPM                    | 1 x TPM header with SPI interface<br>(Optional TPM 2.0 Module)                                                                                                                                                                                                                                                                                                                              |
| POWER SUPPLY#          | (3+1) 2700W Platinum redundant power supply unit                                                                                                                                                                                                                                                                                                                                            |
| OS COMPATIBILITY       | Windows Server 2022 / 2019 (x64)<br>Red Hat Enterprise Linux 9.2 / 9.1 / 9.0 / 8.7 / 8.6 (x64) SUSE Linux Enterprise Server 15SP4 (x64)<br>Ubuntu 22.04.3 / 22.04.2 / 22.04.1 / 22.04 LTS (x64)<br>VMware ESXi 8.0 Update 1 / 7.0 Update 3i Citrix Hypervisor 8.2 LTSR CUI                                                                                                                  |
| SYSTEM COOLING         | 8x hot plug fans -Internal<br>8x hot plug fans -Rear                                                                                                                                                                                                                                                                                                                                        |
| OPERATING PROPERTIES   | Operating temperature: 10°C to 35°C Operating humidity: 8%-80% (non-condensing) Non-operating temperature: -40°C to 60°C<br>Non-operating humidity: 10%-95% (non-condensing)                                                                                                                                                                                                                |

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| PACKAGE CONTENTS: | 1 x 6U GPU Server full system with 2 x Intel® CPU / System Memory / System Storage<br>1 x 25Gbps OCP Network module<br>1 x Intel® VROC RAID key<br>4 x 2700W CRPS redundant power supply unit<br>2 x CPU Heat Sink with CPU mount (E1A)<br>1 x Server rail kit for rack mount<br>4 x C19 to C20 Power cord adapter |
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# This full system is supplied CPU, memory modules, storage devices and NIC as turnkey system configuration.

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