AI GPU Server

AS205-2T1

2U 2-Socket 4-GPU PCIe, NVIDIA MGX™ System
Modular Building Blocks for NVIDIA RTX PRO™ Server and OVX™ AI Server

Learn More

KEY FEATURES

- Up to 4 dual-slot PCIe GPUs, TDP up to 600W
  Support NVIDIA H200 NVL, NVIDIA RTX PRO™ 6000 Blackwell Server Edition, and NVIDIA L40S
- Dual Intel® Xeon® 6700E/6500P/6700P Series Processors, TDP up to 350W
- 32 x DDR5 DIMM slots, up to 6400MT/s
- Up to 8 x E1.S NVMe
- 3 x PCIe 5.0 x16 FHFL for 1 x NVIDIA BlueField®-3 DPU and 2 x NVIDIA ConnectX®-7 NICs
- 3+1 2000W/2400W Titanium CRPS

APPLICATIONS

Agentic AI, physical AI, scientific computing, rendering, 3D graphics, and video.

SPECIFICATIONS

Form Factor	2U
CPU	2 x Intel® Xeon® 6500P/6700P/6700E Series
CPU Max. TDP Support	350W w/ 4pcs L40S 270W w/ 4pcs H200 NVL, RTX PRO™ 6000 Blackwell Server Edition
GPU	4 x Dual-slot PCIe GPUs up to 600W (NVIDIA H200 NVL, RTX PRO™ 6000, and L40S) * RTX PRO™ 6000 is supported at 30°C ambient
Memory	32 x DIMM slots 1DPC: DDR5 RDIMM up to 6400 MT/s 2DPC: DDR5 RDIMM up to 5200 MT/s DIMM Capacity: 32GB, 64GB, 128GB
Storage	2 x M.2 2280/22110 NVMe #1 w/ L40S 8 x PCIe 5.0 x4 E1.S NVMe #2 w/ H200 NVL, RTX PRO™ 6000 6 x PCIe 5.0 x4 E1.S NVMe
Expansion Slots	4 x PCIe 5.0 x16 FHFL for L40S, H200 NVL, and RTX PRO™ 6000 3 x PCIe 5.0 x16 FHFL for 1 x NVIDIA BlueField®-3 DPU and 2 x NVIDIA ConnectX®-7 NICs
Networking	1 x IPMI RJ45
Front I/O Ports	Power button LED / UID button LED / Status LED
Rear I/O Ports	Power button LED / UID button LED / Reset button 1 x IPMI RJ45, no on-board LAN to support share-LAN through NC-SI 1 x USB 3.2 Gen 1 (5Gbps) 1 x Mini-DP 1 x Micro-USB port (for UART debug)
Security Options	TPM 2.0
Management	DC-SCI BMC Management (ASPEED® AST2600 as BMC hardware solution)
Dimension (W x H x D)	438 × 88 x 900 mm 17.2 × 3.5 × 35.4 inch
Power Supply	#1 w/ L40S 3+1 2000W Titanium CRPS #2 w/ H200 NVL, RTX PRO™ 6000 3+1 2400W Titanium CRPS
Cooling System	Air-cooled, 4 × 8080 fans
Environment	Ambient operating temperature range: 10°C to 30 °C Ambient non-operating temperature: -40°C to 68 °C Operating relative humidity: 10% to 85% (non-condensing) Non-operating relative humidity: up to 93% (non-condensing)

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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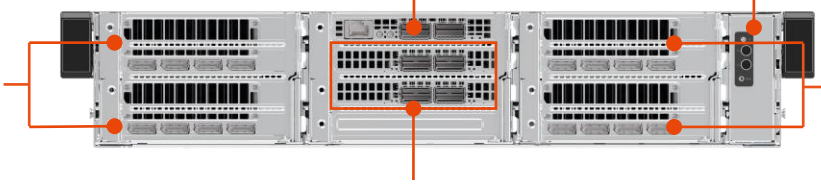
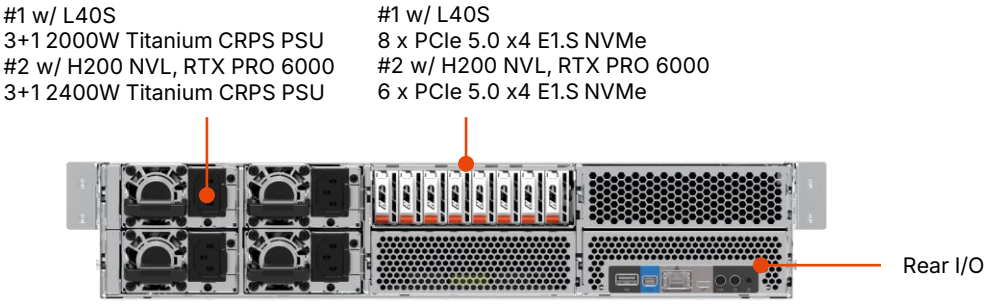
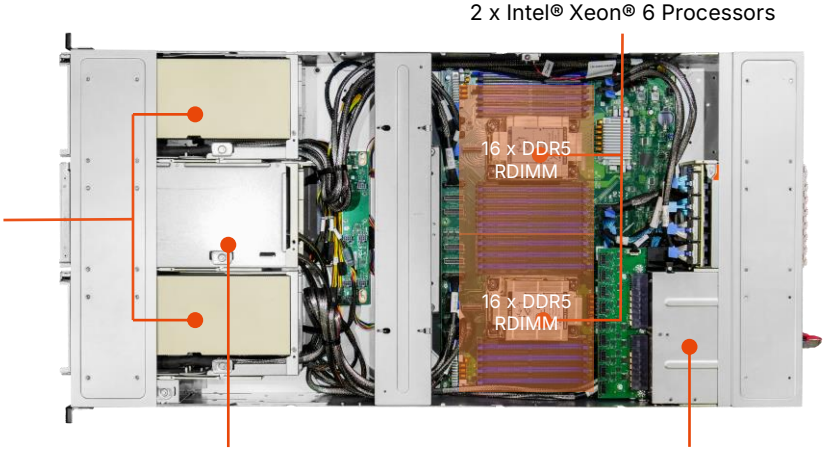
AS205-2T1 PRODUCT OVERVIEW



▲ Front View



▲ Rear View



▲ Top View

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