



AVS000

Outstanding Flexible 4U AI/HPC Server
Breakthrough Platform for Deep Learning Training
Large Language Model (LLM) Natural Language Processing



- **Modular architecture to provide customers with the best performance platform**
- **Supports 4th and 5th Gen Intel® XEON® Scalable Processor up to 385W**
- **Support up to 10 active or passive GPU Cards**
- **DDR5 and PCIe GEN5 ready platform**
- **9 Best GPU Communication with NVIDIA® NVLink™ Bridge**
- **Unique designed switchboard provides maximum bandwidth for GPU direct RDMA**
- **Support 3200W/2700W/2400W CRPS 2+2 / 3+1 Redundancy**
- **Efficient management system controlled and monitored remotely**



Specifications

SYSTEM

Processor	4th and 5th Gen Intel® Xeon® Scalable Processor up to 385W
Memory type	LPDDR5X, 480G module supports 4266MT/s ; 960G module supports 3200MT/s
Chipset	Intel C741
GPU	Support up to 10 active or passive GPU Cards Up to 450W

GRAPHICS OUTPUT

1xVGA	ASPEEDAST2600
Resolution	Up to 1920x1200@60Hz 32bpp

STORAGE

NVMe SSD	Up to 24SFF or 12LFF
----------	----------------------

PCIe SLOT

	Option 1: 1x OCP 3.0 and 10x FHFLDW GPU+1xFHHLWSW
	Option 2: 1xFHHLWSW and 8x FHFLDW GPU+5xFHHLWSW
TPM	TPM 2.0

POWER REQUIREMENT

Power Input	CRPS 3200W/ 2700W/ 2400W CRPS 2+2 / 3+1 Redundancy
-------------	--

COOLING

FAN	Up to 10x8056
-----	---------------

APPLICATIONS, OPERATING SYSTEM

Applications	Suited for Today's Largest-Scale AI Training Models and HPC, Featuring Superior Thermal Capacity with Reduced Acoustics, More I/O, and Vast Storage
OS Support List A	Windows 10 64bit Enterprise, Windows 10 64bit Pro Workstations, Windows 10 IoT 64bit Enterprise, Windows 11 64bit Enterprise (OR001), Windows 11 64bit Pro Workstations (OR001), Windows 11 IoT 64bit Enterprise (OR001), Windows Server 2019 64bit, Windows Server 2022 64bit
OS Support List B	RHEL 8.5 64bit, RHEL 8.6 64bit, RHEL 9.0 64bit, RHEL 9.2 64bit, CentOS 8.5. 64bit, Oracle 8.5 64bit, Oracle 8.6 64bit, Rocky Linux 8.5 64bit, openSUSE Leap 15.4 64bit, SLES 15 SP3 64bit, Ubuntu 22.04 64bit Server, Ubuntu 21.10 64bit Server.
VMware	VMWare ESXi 7.0u3d x64, VMWare ESXi 8.0x64

PHYSICAL

Dimension	4U Rackmount 447x 175 x800 mm (W x H x D)
Estimated Weight	TBD (final weights is dependent on specific configuration)
Cooling	Air Force smart fan