



AV8000-106

Maximum Acceleration
AI/ Deep Learning and HPC Applications
NVIDIA HGX H100/H200/B200
& Xeon® SP Platinum 8486V



- **Modular architecture to provide customers with the best performance platform**
- **Best GPU- GPU Communication with NVIDIA® NVLink™ Bridge and NVIDIA® NVSwitch™ on NVIDIA® HGX™ H100/H200/B200 8-GPU system**
- **DDR5 and PCIe Gen5 ready platform design**
- **High speed switchboard provides maximum bandwidth for GPU direct RDMA**
- **Increase power efficiency and reliability by decoupling 12V and 54V power source**
- **Great serviceability and assembly with the modular design**

Specifications

SYSTEM

Processor	Intel® Xeon® Sapphire Rapids Processor Platinum 8468V(Frequency 2.4GHz, Turbo Boost Frequency up to 3.8GHz), 48 Core, 96 Thread Support, 97.5MB Smart Cache TDP 330W x 2pcs
Memory type	96GB RDIMM ECC DDR5 5600MHz x 32pcs
Chipset	Intel C741

GPU

NVIDIA	HGX H100/H200/B200 8-GPU
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GRAPHICS OUTPUT

1xVGA	ASPEED AST2600
Resolution	Up to 1920x1200@60Hz 32bpp

STORAGE

SSD A	8 x 4TB SATA SSD with SED
SSD B	1 x 480GB M.2 NVMe SSD

NIC

NVIDIA	1x High-performance 200 Gb/s NVIDIA Blue Field®-3
NVIDIA	8 x 400Gb/s ConnectX®-7

POWER REQUIREMENT

Power Input	3300W 54V PSU, support 3+3 redundancy
	2400W 12V PSU, support 1+1 redundancy

COOLING

FAN	10 x 8086 Fans for GPU cooling
	5 x 6056 Fans for CPU cooling

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 8U Rackmount 448x 352x850 mm (W x H x D)

Estimated Weight TBD (final weights is dependent on specific configuration)

Cooling Air Force smart fan

Order Information

Model	Specification
AV8000-IG6-001	Intel EGS 8468V CPU*2+DDR5-4800 96G RDIMM*32+NVMe-SSD 4T*8+SATA M.2 480G*1+GPU HGX-H20*1+ 400G NIC CX7*8+200G BF3*1
AV8000-IG6-002	8480+CPU*2+64G DIMM 6021B0433301*32+1.92T NVME M.2*1+400G CX7*8+100G OCP*1+H20 HGX*1
AV8000-IG6-003	8463B CPU*2+64G DIMM 6021B0433301*32+1.92T NVME M.2*1+400G CX7*8+100G OCP*1+H20 HGX*1