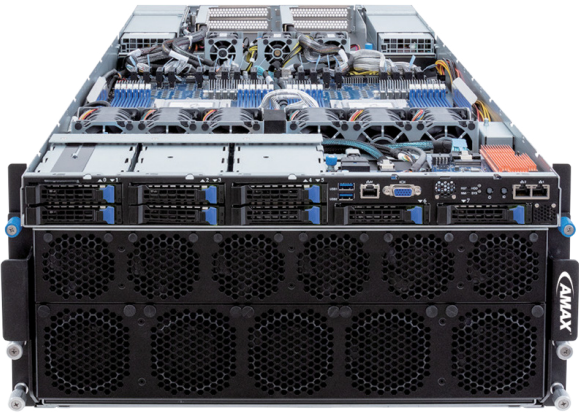


# AceleMax<sup>®</sup> AXG-528GS

## HPC Server - 5U DP HGX H100 8-GPU



### Features

- Supports NVIDIA HGX™ H100 with 8 x SXM5 GPUs
- Supports NVIDIA® NVLink® and NVSwitch™ technology
- Up to 900GB/s GPU to GPU interconnection
- AMD EPYC™ 9004 series processor family
- Dual processor, 5nm technology
- 12-Channel RDIMM DDR5 per processor, 24 x DIMMs
- Dual ROM Architecture supported
- 2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2)
- 1 x dedicated management port
- 2 x M.2 slots with PCIe Gen3 x4 and x1 interface
- 8 x 2.5" Gen5 NVMe hot-swappable bays
- 4 x FHHL PCIe Gen5 x16 slots
- 8 x LP PCIe Gen5 x16 slots

### Specifications

Dimensions	• 5U (W447 x H222.25 x D981.17 mm)
Motherboard	• MZB3-G42
CPU	• AMD EPYC™ 9004 series processor • Dual processor, 5nm technology, cTDP up to 400W Up to 96-core, 192 threads per processor • 2 x LGA 6096 Socket SP5, cTDP up to 400
Chipset	• System on Chip
Memory	• 24 x DIMM slots • 12-Channel DDR5 memory, up to 4800 MHz RDIMM modules up to 128GB supported • 3DS RDIMM modules up to 256GB supported
LAN	• 2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2) • Supported NCSI function • 1 x 10/100/1000 management LAN
Video	• Integrated in Aspeed AST2600 • 2D Video Graphic Adapter with PCIe bus interface • 1920x1200@60Hz 32bpp, DDR4 SDRAM
Storage	• 8 x 2.5" Gen5 NVMe hot-swappable bays • Supports NVIDIA HGX™ H100 with 8 x SXM5 GPU
Expansion Slots	• 8 x PCIe Gen5 x16 low-profile slots • 4 x PCIe Gen5 x16 FHHL slots • 1 x M.2 slot: M-key, PCIe Gen3 x1, supports 2280/22110 cards • 1 x M.2 slot: M-key, PCIe Gen3 x4, supports 2280/22110 cards
Front I/O	2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN (default port)
Rear I/O	• 1 x MLAN
Backplane I/O	• PCIe Gen5 x4
TPM	• 1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
Power Supply	• 4+2 3000W 80 PLUS Titanium redundant power supply AC Input: 115-240V

## Specifications

System Management	<ul style="list-style-type: none"><li>• Aspeed® AST2600 management controller</li><li>• AMAX Management Console (AMI MegaRAC SP-X)</li></ul>
OS Compatibility	<ul style="list-style-type: none"><li>• Windows Server 2019 / 2022</li><li>• RHEL 8.6 / 8.7 / 9.0 / 9.1 (x64) SLES 15 SP4 (x64)</li><li>• Ubuntu 20.04.5 LTS / 22.04 LTS /22.04.1 LTS (x64)</li><li>• VMware ESXi 7.0 Update 3i / 8.0</li></ul>
System Fans	<ul style="list-style-type: none"><li>• Front: 5 x 80x80x80mm (17,000rpm), 6 x 60x60x72mm (21,700rpm)</li><li>• Rear: 6 x 80x80x80mm (17,000rpm), 2 x 40x40x56mm (29,700rpm)</li><li>• Internal: 4 x 40x40x28mm (25,000rpm), 6 x 60x60x56mm (24,000rpm)</li></ul>
Operating Properties	<ul style="list-style-type: none"><li>• Operating temperature: 10°C to 35°C Operating humidity: 8-80% (non-condensing)</li><li>• Non-operating temperature: -40°C to 60°C</li><li>• Non-operating humidity: 20%-95% (non-condensing)</li></ul>
Reference Numbers	<ul style="list-style-type: none"><li>• System with NVIDIA module: 6NG593ZD2DR000AAX1*</li><li>• Rail kit: 25HB2-A96102-KOR</li><li>• CPU fansink: 25ST1-24320H-M1R (TBD)</li><li>• Power supply: 25EPO-23000A-D0S</li><li>• C19 power cord 125V/15A (US): 25CP1-018000-Q0R (optional)</li><li>• C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R (optional)</li></ul>

