

# AceleMax DGS-728ES

## NVIDIA HGX H100 8-GPU SXM5 H100 AI Server for Generative AI Workloads



### Features

- 7U NVIDIA HGX H100 eight-GPU server with dual 4th Gen Intel Xeon Scalable processors, designed for large-scale AI and HPC and with up to 12+1 PCIe slots, 32 DIMM, 10 NVMe, dual 10Gb LAN and OCP 3.0 (optional)
- Direct GPU-to-GPU interconnect via NVLink delivers 900GB/s bandwidth for efficient scaling
- Energy-efficient design with independent CPU- and GPU-airflow tunnels for power savings

### Specifications

Processor	<ul style="list-style-type: none"> <li>• 2 x Socket</li> <li>• Intel® Xeon® Processor Scalable Family (Up to 350W)</li> </ul>
Memory	<ul style="list-style-type: none"> <li>• <b>Total Slots:</b></li> <li>• 32 (8 channel per CPU, 16 DIMM per CPU)</li> <li>• <b>Capacity:</b></li> <li>• Maximum up to 4TB per CPU socket</li> <li>• <b>Memory Type:</b></li> <li>• DDR5 4800/4400 RDIMM/ 3DS RDIMM (2DIMM per Channel)</li> <li>• 512GB, 256GB, 128GB Intel® Optane™ persistent memory 300 series (Crow Pass)</li> <li>• <b>Memory Size:</b></li> <li>• 64GB, 32GB, 16GB RDIMM</li> <li>• 256GB, 128GB RDIMM 3DS</li> </ul>
Expansion Slots	<ul style="list-style-type: none"> <li>• <b>SKU1:</b></li> <li>10 + 1 x PCIe Gen5 slots (1 x internal RAID card)[PCIe Switch directly] <ul style="list-style-type: none"> <li>- 8 x PCIe Gen5 x16 link (LP, HL) [CPU directly]</li> <li>- 1 x PCIe Gen5 x16 link (FH, HL)* + 1 x PCIe Gen5 x16 link (FH, HL)* or OCP 3.0</li> </ul> </li> <li>• <b>SKU2 (Launch in July)</b></li> <li>12 + 1 x PCIe Gen5 slots (1 x internal RAID card)[PCIe Switch directly] <ul style="list-style-type: none"> <li>- 8 x PCIe Gen5 x16 link (LP, HL) [CPU directly]</li> <li>- 1 x PCIe Gen5 x16 link (FH, HL)* + 1 x PCIe Gen5 x16 link (FH, HL)* or OCP 3.0</li> <li>- 1 x PCIe Gen5 x8 link (FH, HL) + 1 x PCIe Gen5 x8 link (FH, HL)</li> </ul> </li> </ul>
Storage	<ul style="list-style-type: none"> <li>• <b>Optional Kits:</b></li> <li>-Broadcom MegaRAID 9560-16i</li> <li>-Broadcom MegaRAID 9540-8i</li> </ul>

## Specifications

Drive Bays	<ul style="list-style-type: none"> <li>• 10 x 2.5" hot-swap drive bays (8 NVMe, 2 NVMe/SATA/SAS*)[PCIe Switch directly]</li> <li>• Front: 8 NVMe</li> <li>• [CPU directly]</li> <li>• Rear: 2 NVMe(CPU2)/SATA(PCH)/SAS*2 x M.2 Gen5 x4 link (CPU1) / 2 x M.2 Gen3 x2 link (PCH)</li> </ul>
Networking	<ul style="list-style-type: none"> <li>• 2 x 10GbE LAN ports (RJ45, X710-AT2) or 2 x Gigabit LAN ports (RJ45, I350-AM2)</li> <li>• 1 x Management Port</li> </ul>
Front I/O Ports	<ul style="list-style-type: none"> <li>• 4 x USB3.2 Gen1 ports</li> <li>• 1 x VGA port</li> <li>• 2 x 10Gb RJ45 LAN module (Intel-x710 Based)</li> <li>• 1 x Mgmt LAN</li> <li>• 1 x locate button</li> <li>• 1 x power button</li> </ul>
Rear I/O Ports	<ul style="list-style-type: none"> <li>• 1 x locate button</li> <li>• 1 x power button</li> </ul>
Switch/LED	<ul style="list-style-type: none"> <li>• <b>Front :</b> <ul style="list-style-type: none"> <li>1 x Power Button/LED</li> <li>1 x Location Button/LED</li> <li>1 x Message LED</li> <li>1 x Q-Code/Port 80 LED</li> </ul> </li> <li>• <b>Rear :</b> <ul style="list-style-type: none"> <li>1 x Location LED</li> <li>1 x Power Button/LED</li> </ul> </li> </ul>
Power Supply	<ul style="list-style-type: none"> <li>• 4+2 or 3+3 Redundant 3000W 80 PLUS Titanium Power Supply</li> </ul>
Environment	<ul style="list-style-type: none"> <li>• Operation temperature: 10°C ~ 35°C</li> <li>• Non operation temperature: -40°C ~ 70°C</li> <li>• Non operation humidity: 20% ~ 90% ( Non condensing)</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• 885mm x 447mm x 306.65mm</li> </ul>

