G4L3-SD1-LAX3

HPC/AI Server - 4U DP HGX™ H200 8-GPU DLC







Features

- Liquid-cooled NVIDIA HGX™ H200 8-GPU
- CPU+GPU direct liquid cooling solution with leak detection
- 900GB/s GPU-to-GPU bandwidth with NVLink® and NVSwitch™
- Dual 5th/4th Gen Intel® Xeon® Scalable Processors
- Dual Intel® Xeon® CPU Max Series
- 8-Channel DDR5 RDIMM, 32 x DIMMs
- Dual ROM Architecture
- Compatible with NVIDIA BlueField®-3 DPUs and ConnectX®-7 NICs
- 2 x 10Gb/s LAN ports via Intel[®] X710-AT2
- 2 x M.2 slots with PCle Gen3 x2 and x1 interface
- 8 x 2.5" Gen5 NVMe/SATA hot-swap bays
- 4 x FHHL dual-slot PCle Gen5 x16 slots
- 8 x FHHL single-slot PCle Gen5 x16 slots
- 4+4 3000W 80 PLUS Titanium redundant power supplies

pecification

Modular GPU Liquid-cooled NVIDIA HGX™ H200 with 8 x SXM GPUs Backplane Board Speed and bandwidth: PCle Gen5 x4 or SATA 6Gb/s CPU 5th/4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series Dual processor, TDP up to 385W TPM 1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM010 Socket 2 x LGA 4677 (Socket E) Power Supply 4+4 3000W 80 PLUS Titanium redundant power supplies AC Input: 115-240V *The system power supply requires C19 power cord. Memory 8-Channel DDR5 RDIMM, 32 x DIMM slots Up to 5600 MT/s (1DPC), 4400 MT/s (2DPC) System Management ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface LAN 2 x 10Gb/s LAN ports (1 x Intel® X710-AT2) - Support NCSI function 1 x 10/100/1000 management LAN OS Support Windows Server, Red Hat Enterprise Linux Server, VMware ESXi, SUSE Linux Enterprise, Ubuntu Server, Citrix Hypervisor Video Integrated in ASPEED® AST2600 - 1 x VGA port System Fans Motherboard: 2 x 60x60x56mm, 2 x 60x60x76mm PCle slots: 4 x 80x80x56mm (15,500rpm)	Dimensions	4U (W447 x H175.3 x D900 mm)	I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN (default) Rear: 1 x MLAN
Modular GPU Liquid-cooled NVIDIA HGXTM H200 with 8 x SXM GPUs CPU 5th/4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series Dual processor, TDP up to 385W Socket 2 x LGA 4677 (Socket E) Chipset Intel® C741 Chipset Memory 8-Channel DDR5 RDIMM, 32 x DIMM slots Up to 5600 MT/s (1DPC), 4400 MT/s (2DPC) LAN 2 x 10Gb/s LAN ports (1 x Intel® X710-AT2) - Support NCSI function 1 x 10/100/1000 management LAN Video Integrated in ASPEED® AST2600 - 1 x VGA port Board PCle Gen5 x 4 or SATA 6Gb/s TPM 1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM010 1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM010 1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM010 System Supply 4+4 3000W 80 PLUS Titanium redundant power supplies AC Input: 115-240V *The system power supply requires C19 power cord. System Management GIGABYTE Management Console web interface - Optional TPM2.0 kit: CTM010 Windows Server, Red Hat Enterprise Linux Server, VMware ESXi, SUSE Linux Enterprise, Ubuntu Server, Citrix Hypervisor System Fans Motherboard: 2 x 60x60x56mm, 2 x 60x60x76mm PCle slots: 4 x 80x80x56mm (15,500rpm)	Motherboard	MSB3-PE0		
Intel® Xeon® CPU Max Series Dual processor, TDP up to 385W Socket 2 x LGA 4677 (Socket E) Chipset Intel® C741 Chipset Memory 8-Channel DDR5 RDIMM, 32 x DIMM slots Up to 5600 MT/s (1DPC), 4400 MT/s (2DPC) LAN 2 x 10Gb/s LAN ports (1 x Intel® X710-AT2) - Support NCSI function 1 x 10/100/1000 management LAN Video Integrated in ASPEED® AST2600 - 1 x VGA port Power Supply 4+4 3000W 80 PLUS Titanium redundant power supplies AC Input: 115-240V *The system power supply requires C19 power cord. System Management Management GIGABYTE Management Console web interface OS Support Windows Server, Red Hat Enterprise Linux Server, VMware ESXi, SUSE Linux Enterprise, Ubuntu Server, Citrix Hypervisor System Fans Motherboard: 2 x 60x60x56mm, 2 x 60x60x76mm PCIe slots: 4 x 80x80x56mm (15,500rpm)	Modular GPU	Liquid-cooled NVIDIA HGX™ H200 with 8 x SXM GPUs	•	
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LAN 2 x 10Gb/s LAN ports (1 x Intel® X710-AT2) - Support NCSI function 1 x 10/100/1000 management LAN Video OS Support Windows Server, Red Hat Enterprise Linux Server, VMware ESXi, SUSE Linux Enterprise, Ubuntu Server, Citrix Hypervisor System Fans Motherboard: 2 x 60x60x56mm, 2 x 60x60x76mm PCle slots: 4 x 80x80x56mm (15,500rpm)	Memory			· · · · · · · · · · · · · · · · · · ·
Video System Fans Motherboard: 2 x 60x60x56mm, 2 x 60x60x76mm PCIe slots: 4 x 80x80x56mm (15,500rpm)	LAN	2 x 10Gb/s LAN ports (1 x Intel® X710-AT2) - Support NCSI function	OS Support	
	Video	· ·	System Fans	
Storage Front hot-swap: 8 x 2.5" Gen5 NVMe/SATA Operating Properties	Storage	8 x 2.5" Gen5 NVMe/SATA Internal M.2: 1 x M.2 (2280/22110), PCIe Gen3 x2		Operating temperature: 10°C to 35°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C
RAID Intel® SATA RAID 0/1/10/5 Support optional RAID add-in cards Packaging Content 1 x G4L3-SD1-LAX3, 1 x CPU cold plate loop, 6 x Carriers, 1 x L-shape Rail kit	RAID			
Expansion 4 x FHHL dual-slot PCle Gen5 x16 slots Slots 9 A x FHHL single-slot PCle Gen5 x16 slots 9 Barebone w/ NVIDIA module: 6NG4L3SD1DR000LBX3*	•		Part Numbers	Barebone w/ NVIDIA module: 6NG4L3SD1DR000LBX3*



Learn more at https://www.GIGABYTE.com/enterprise

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