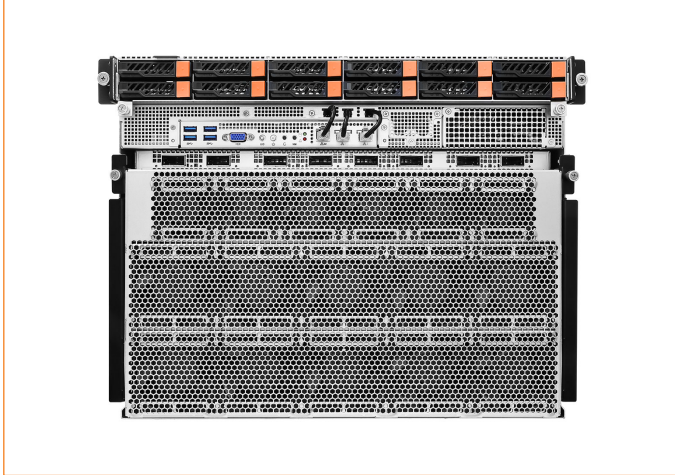


Godì 1.8E2D-NV8

UNMATCHED DATACENTER-CLASS AI COMPUTE

HGX Blackwell Ultra B300 Platform for next-generation AI models



Key Features



19-inch 8U SXM6 B300



**Dual Intel® Intel® Xeon®
6700P/6500P/6700E-series
processors**



32x DDR5@ 6400MHz



4x PCIe 5.0 x16 FHHL slots



**8x NVIDIA® HGX™ B300
NVL8**



Air Cooling



SCAN THE CODE!

TO DISCOVER MORE
ABOUT THIS PRODUCT

NVIDIA HGX Platform Powers AI Factories Worldwide

The Godì 1.8E2D-NV8 is a dual-socket, 8U high-density server designed to address the most demanding compute workloads. It supports up to 8 NVIDIA Blackwell Ultra B300 GPUs, delivering extreme performance for:

- Training and inference of large-scale LLMs
- High-Performance Computing (HPC) and complex simulations
- Large-scale data analytics
- Mission-critical enterprise and research applications

Optimized for performance, scalability, and efficiency, it is a reference platform for hyperscale datacenters.

NVIDIA HGX B300 NVL8 Platform

The HGX B300 NVL8 is purpose-built for next-generation AI workloads, where model sizes now exceed one trillion parameters. Each platform integrates 8 NVIDIA Blackwell Ultra GPUs and provides:

- Second-Generation Transformer Engine for optimized LLM training and inference
- Support for NVFP4 format to reduce memory footprint while maintaining accuracy
- Fifth-Generation NVIDIA NVLink™, enabling ultra-fast GPU-to-GPU communication
- Up to 288 GB of HBM3e memory per GPU for high-capacity, high-bandwidth data processing

This architecture delivers unmatched density, bandwidth, and scalability for next-generation LLMs, multimodal AI, and large-scale inference.

8x 800 Gb/s via onboard NVIDIA ConnectX®-8 SuperNIC™

Featuring 8x 800 Gb/s bandwidth, the onboard ConnectX-8 SuperNIC enables ultra-low-latency networking, supports Quantum-X800 InfiniBand and Spectrum-X™ Ethernet, and integrates a PCIe Gen6 switch to eliminate bottlenecks and simplify scaling.

NVLink 5th Generation: Redefining Multi-GPU Performance

NVLink 5.0 delivers 1.8 TB/s bidirectional bandwidth per GPU, 14x faster than PCIe Gen5.

At rack scale, the NVLink Switch provides 14.4 TB/s of switching capacity, enabling up to 576 GPUs to operate as a single accelerator—doubling throughput over the previous generation and powering trillion-parameter AI and advanced HPC.

SPECIFICATIONS

System	Model	BRB-GI1-808E2D-NV8-R010	
	Form factor	19-inch 8U	
	Dimension	448mm x 930mm x 353 (W x D x H) 17.6" x 36.6" x 13.9" (W x D x H)	
	Cooling Technology	Air cooling	
Storage	Internal type	1x M.2 (Gen3 x4 link, PCIe or SATA 6Gb/s); Form factor: 22110/2280 [CPU0]	
	External type	12 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays [PCIe switch]	
	RAID controller	Add-card or VROC in option	
Motherboard	CPU	Dual Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series Processors Socket E2 (LGA 4710) Max. TDP up to 350W	
	Chipset	System on Chip	
	Expansion slots	Rear: 4 FHHL PCIe5.0 x16 [PCIe switch]	
	TPM	TPM 2.0, 13 pin connector, SPI interface	
	BMC	Aspeed 2600	
Memory	Total slots	32x (8-channel per CPU, up to 2-DIMM per channel)	
	Memory type	1DPC: DDR5 RDIMM, 6400 MT/s 2DPC: DDR5 RDIMM, 5200 MT/s	
GPU	Architecture	NVIDIA® HGX™ B300 NVL8	
Network	Onboard	1x 1GbE Management Port dedicated to the IPMI 2x 1GbE LAN 8x NVIDIA ConnectX-8 OSFP Ports (800Gb/s)	
	I/O	Front	8x NVIDIA ConnectX-8 OSFP Ports (800Gb/s) 2x 1GbE RJ45 1x IPMI RJ45 4x USB 3.0 1x VGA 1x Power button LED / UID button / reset button
		Rear	2x 1GbE RJ45, shares with front panel 1x IPMI RJ45, shares with front panel 2x Type-A USB3.0 1x VGA 1x UID button
Management solution	Software	WebGUI, Intelligent Platform Management Interface (IPMI)	
	Out of band remote management	iKVM module, Remote Update (OoB), Platform Firmware Resilience	
Power supply	Type	6+6 Redundant 3000W 80 PLUS Titanium Power Supply 80 PLUS Titanium (96% at 50% load)	
	Power rating	~15 KW at 100% Load	
Operating environment	Operating temperature	Operation temperature: 10°C ~ 35°C (50°F ~ 95°F)	
	Non-operating temperature	-Non operation temperature: -40°C ~ 70°C (40° ~ 158°F)	
	Operative relative humidity	20% ~90% (Non condensing)	
Warranty	2CRSi hardware warranty includes a one year, parts and labour with return to 2CRSi selling entity. Customers may purchase an extended warranty of up to 3 years on parts and labour with different support levels. Please contact 2CRSi at support@2crsi.com or reach your sales point of contact for complete warranty details including limitations and transferability. 2crsi.com/global-location		