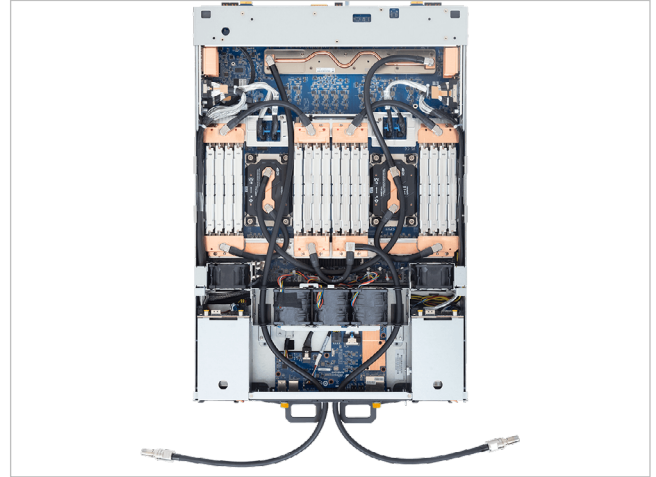


# Godì 1.8E2D-NV8 DLC

UNMATCHED DATACENTER-CLASS AI COMPUTE

*HGX Blackwell Ultra B300 Platform for next-generation AI models*



## Key Features



**19-inch 4U 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**



**Direct Liquid Cooling**

## NVIDIA HGX Platform Powers AI Factories Worldwide

The Godì 1.8E2D-NV8 DLC is a dual-socket, 4U 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.

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# Godì 1.8E2D-NV8 DLC

## SPECIFICATIONS

<b>System</b>	<b>SKU</b>	BRB-GI1-408-E2D-S2102
	<b>Model</b>	Godì 1.8E2D-NV8 DLC
	<b>Form factor</b>	19-inch 4U
	<b>Dimension</b>	448mm x 900mm x 175 (W x D x H) 17.6" x 35.4" x 6.9" (W x D x H)
	<b>Cooling Technology</b>	Direct Liquid Cooling (DLC)
<b>Storage</b>	<b>Internal type</b>	1x M.2 (PCIe5.0 x4); Form factor: 22110/2280 [CPU1] 1x M.2 (PCIe5.0 x2); Form factor: 22110/2280 [CPU1]
	<b>External type</b>	8 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays [PCIe switch]
	<b>RAID controller</b>	Add-in card or VROC in option
<b>Motherboard</b>	<b>CPU</b>	Supports Intel® Xeon® 6500P/6700E/6700P Series Processors Dual Socket E E2 (LGA 4710). Max TDP up to 350W
	<b>Chipset</b>	System on Chip
	<b>Expansion slots</b>	Rear: 4 Single-slot FHHL PCIe5.0 x16 [PCIe switch] <i>The ambient temperature is limited to 30°C when NVIDIA BlueField-3 DPUs/SuperNIC are installed.</i>
	<b>TPM</b>	TPM header with SPI interface ( <i>optional TPM2.0 kit available</i> )
	<b>BMC</b>	ASPEED AST2600
<b>Memory</b>	<b>Total slots</b>	32x (8 channels per CPU, up to 2 DIMMs per channel)
	<b>Capacity</b>	Up to 8TB, from RDIMM: Max 128GB module, MRDIMM: Max 64GB module
	<b>Memory type</b>	RDIMM: 6400MT/s (1DPC), 5200MT/s (2DPC) MRDIMM: 8000MT/s (1DPC only and Intel processors with P-cores)
<b>GPU</b>	<b>Architecture</b>	NVIDIA® HGX™ B300 NVL8
<b>Network</b>	<b>Onboard</b>	1x 1GbE Management Port dedicated to the IPMI 2x 10GbE LAN (Intel X710-AT2 controller) 8x NVIDIA ConnectX-8 OSFP Ports (800Gb/s)
<b>I/O</b>	<b>Front</b>	2x 10GbE RJ45 1x IPMI RJ45 (default) 2x USB 3.2 Gen1 1x VGA 1x Power button LED / UID button / NMI button / Reset button 1x Storage activity LED / System status LED
	<b>Rear</b>	8x NVIDIA ConnectX-8 OSFP Ports (800Gb/s) 1x IPMI RJ45, shared with front panel
<b>Management solution</b>	<b>Software</b>	WebGUI, IPMI 2.0 and RESTful APIs (Redfish)
	<b>Out of band remote management</b>	iKVM module
<b>Power supply</b>	<b>Type</b>	5+5 Redundant 3000W 80 PLUS Titanium Power Supply
	<b>Power rating</b>	~14 kW at 100% Load
<b>Operating environment</b>	<b>Operating temperature</b>	10°C ~ 35°C (50°F ~ 95°F)
	<b>Non-operating temperature</b>	-40°C ~ 70°C (40° ~ 158°F)
	<b>Operative relative humidity</b>	8% to 80% (non-condensing)
	<b>Non-operating relative Humidity</b>	20% ~ 90% (non-condensing)
<b>Warranty</b>	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 <a href="mailto:support@2crsi.com">support@2crsi.com</a> or reach your sales point of contact for complete warranty details including limitations and transferability. <a href="https://2crsi.com/global-location">2crsi.com/global-location</a>	