

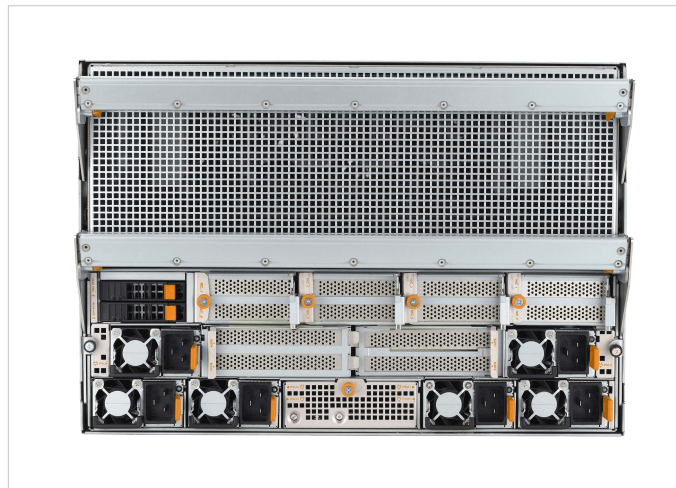
Godì 1.8ER-NV8

The excellence of AI Supercomputing Platform based on Intel® Xeon® 4th/5th generation and NVIDIA SXM5 H200



No contractual

Front View



No contractual

Rear View

Key Features



19-inch - 6U/8 SXM5 H200



Dual Intel® Xeon® 4th/5th Gen



32x DDR5 @ 4800MHz



8x PCIe 5.0 x16 LP
2x PCIe 5.0 x16 FHFL
1x OCP 3.0 x16



Air Cooling

Intel® Xeon® Scalable 4th & 5th Gen

Upgrade your data center with Intel® Xeon® 4th and 5th Generation Processors, designed for exceptional scalability, security, and performance.

The 4th Gen processors offer up to 60 cores and 120 threads, while the 5th Gen processors deliver up to **64 cores** and **128 threads**, making them ideal for high-density computing, **HPC and AI**.

Optimized for AI, these processors feature advanced technologies like Intel® AMX and Intel® AVX-512, ensuring efficient and powerful AI processing capabilities.

The Godì 1.8ER-NV8 is the only system giving access to the full range of HPC and AI applications on any deployments.

NVIDIA H200 Tensor Core GPU Architecture

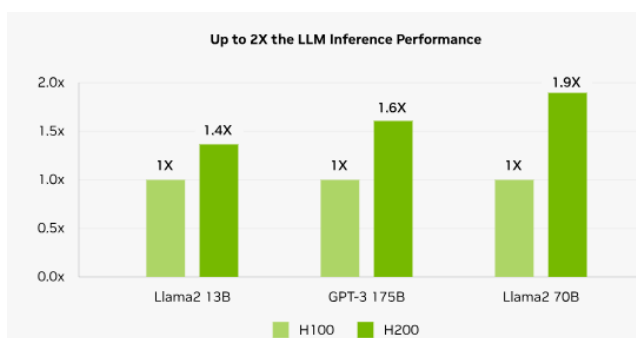
The Godì 1.8ER-NV8 is the first 2CRSi platform to feature the new SXM5 NVIDIA Hopper™ GPU computing architecture.

With its built-in Transformer Engine, the Godì 1.8ER-NV8 is optimized for developing, training and deploying generative AI, large language models (LLMs) and recommender systems. This technology makes use of the H200's FP8 precision and boosts inference speed by up to 2X compared to H100 GPUs.

The Godì 1.8ER-NV8 features **eight H200 GPUs** connected with NVIDIA NVLink® high-speed interconnects and integrated NVIDIA Quantum InfiniBand and Spectrum™ Ethernet networking. The NVIDIA H200 is the first GPU to **provide 141GB of HBM3e memory**, delivering 4.8TB/s of bandwidth; nearly doubling the capacity of the NVIDIA H100, with 1.4 times more memory bandwidth. The H200 **accelerates generative AI and LLMs**, while advancing scientific computing for HPC workloads.



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ABOUT THIS PRODUCT



SPECIFICATIONS

System	Part Number	BRB-GI1-608ER-NV8-R010
	Form factor	19" x 6U
	Node	1 system
	Dimensions (W x D x H)	438 x 860 x 265mm (w/o ears) and 482 x 920 x 265mm (overall) 17.2 x 33.9 x 10.4 inches (w/o ears) and 19 x 36.2 x 10.4 inches (overall)
	Cooling Technology	Air Cooling : 12 hotswappable fans : 6 at the rear (8086) + 6 internal (6056)
Storage	Internal type	2x M.2 (NVMe/SATA) support 2280/22110
	External type	24x hot-swappable 2.5inch drive bays (up to 8x U.2 NVMe PCIe Gen 4.0)
	RAID Controller	Add-card or VROC in option
Motherboard	CPU	Intel® Xeon® 5 th Gen Scalable Processors family TDP 350W max/CPU 2x Socket E (LGA 4677)
	Chipset	Intel® C740
	Expansion slots	8x PCIe x16 (Gen5 x16 bus) Low Profile 2x PCIe x16 (Gen5 x16 bus) Full height Full length 1x OCP 3.0 x16 (Gen5 x16 bus)
	BMC	Integrated Aspeed® AST2600
	TPM	TPM 2.0
Memory	Total slots	32x (8-channel per CPU, up to 2-DIMM per channel)
	Capacity	Maximum up to 8TB per Node (Using RDIMM 3DS 256GB)
	Memory type	DDR5 4800MHz ECC RDIMM DDR5 4800MHz ECC RDIMM 3DS
GPU	Architecture	NVIDIA HGX™ H200 SXM 8-GPU with PCIe 5.0 x16 CPU-to-GPU Interconnect 8x H200 141GB / NVIDIA® NVLink™ with NVSwitch™
Network		1x 1GbE Management Port dedicated to the IPMI up to 8x ConnectX-7 InfiniBand/VPI Adapter Card, NDR IB OSFP, PCIe 5.0x 16
I/O	Front	1x USB 3.0 1x USB 2.0 1x VGA
	Rear	1x BMC management network port 2x USB 3.0 1x System/BMC serial port 1x VGA Port
Management Solution	Out of band remote management	WebGUI, Intelligent Platform Management Interface (IPMI)
Power Supply	Input Power	6 x 3000W AC/DC power module CRPS (200~240VAC to +54VDC)
	Power rating	10kW approximately at 100% load
	Power Efficiency	80 PLUS Titanium (96% at 50% load)
Operating Environment	Operating Temperature	10°C to 35°C (50°F to 95°F)
	Non-operating Temperature	Storage (packed): -40°C to +70°C (-40°F to +158°F)
	Operating Relative Humidity	10% to 80% RH
	Non-operating Relative Humidity:	8% to 92% RH
Warranty	2CRSi hardware warranty includes a one year, parts and labour with return to 2CRSi. Customers may purchase an extended warranty of up to 5 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	