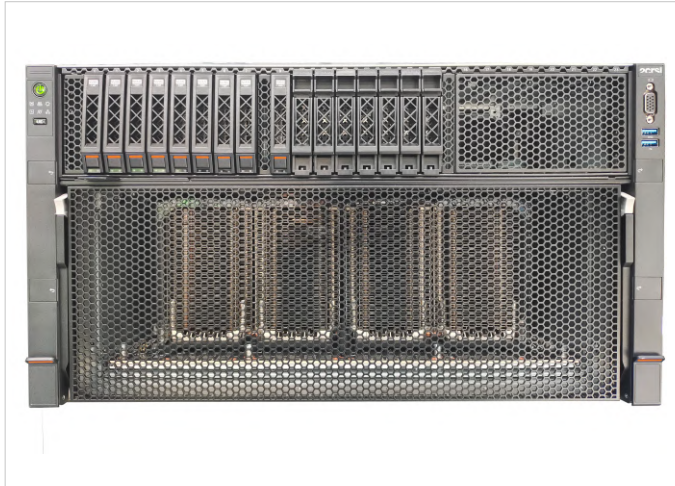


# Godì 1.8SR-NV8

The excellence of AI Supercomputing Platform based on Intel® Xeon® 4<sup>th</sup> generation and Nvidia SXM5



No contractual

Front View



No contractual

Rear View

## Key Features



19-inch - 6U/8 SXM5 H100



Dual Intel® Xeon® 4<sup>th</sup> Gen



32x DDR5 @ 4800MHz



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



Air Cooling

## 4th Gen Intel® Xeon® Processors

The latest Intel® Xeon® Scalable Processors are designed for the demand of high scalability, high density computing, and widest range of workloads. With up to 60 cores and 120 threads, these processors are built to handle the most intensive data center workloads, from Data Analytics and IoT/Edge applications to HPC and AI workloads.

Intel® Xeon® 4th Gen processors feature advanced security technologies to help protect data in an ever-changing threat landscape, while opening up new business opportunities.

With Intel® AMX, Intel® SSE4.2, Intel® AVX, Intel® AVX2 and Intel® AVX-512 enabled, the **Godì 1.8SR-NV8** is the only system giving access to the full range of HPC and AI applications on any deployments.

## NVIDIA H100 Tensor Core GPU Architecture

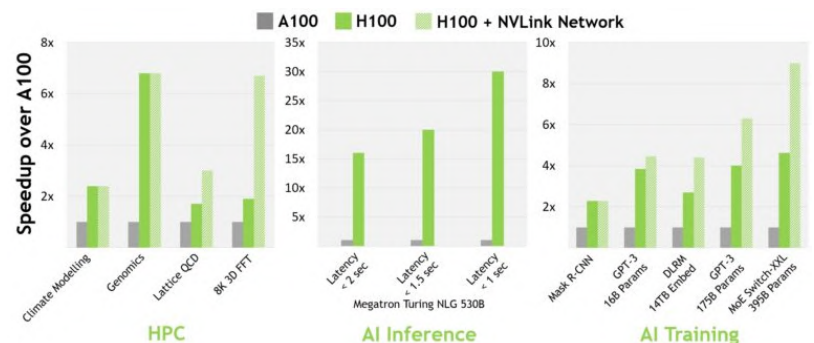
The **Godì 1.8SR-NV8** is the first 2CRSi platform to feature the new SXM5 NVIDIA Hopper™ GPU computing architecture.

With its built-in Transformer Engine, the **Godì 1.8SR-NV8** is optimized for developing, training and deploying generative AI, large language models (LLMs) and recommender systems. This technology makes use of the H100's FP8 precision and offers 9x faster AI training and up to 30x faster AI inference on LLMs versus the prior-generation A100.

The **Godì 1.8SR-NV8** features eight H100 GPUs connected with NVIDIA NVLink® high-speed interconnects and integrated NVIDIA Quantum InfiniBand and Spectrum™ Ethernet networking. This platform provides 32 petaflops of compute performance at FP8 precision, with 2x faster networking than the prior generation, helping maximize energy efficiency in processing large AI workloads.



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ABOUT THIS PRODUCT



## SPECIFICATIONS

<b>System</b>	<b>Part Number</b>	BRB-GI1-608SR-NV8-R010
	<b>Form factor</b>	19" x 6U
	<b>Node</b>	1 system
	<b>Dimensions (W x D x H)</b>	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)
	<b>Cooling Technology</b>	Air Cooling : 12 hotswappable fans : 6 at the rear (8086) + 6 internal (6056)
<b>Storage</b>	<b>Internal type</b>	2x M.2 (NVMe/SATA) support 2280/22110
	<b>External type</b>	24x hot-swappable 2.5inch drive bays (up to 16 x U.2 NVMe PCIe Gen 4.0)
	<b>RAID Controller</b>	Add-card or VROC in option
<b>Motherboard</b>	<b>CPU</b>	Intel® XEON® 4 <sup>th</sup> Gen Scalable Processors family TDP 350W max/CPU 2x Socket E (LGA 4677)
	<b>Chipset</b>	Intel® C740
	<b>Expansion slots</b>	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)
	<b>BMC</b>	Integrated Aspeed® AST2600
	<b>TPM</b>	TPM 2.0
<b>Memory</b>	<b>Total slots</b>	32x (8-channel per CPU, up to 2-DIMM per channel)
	<b>Capacity</b>	Maximum up to 8TB per Node (Using RDIMM 3DS 256GB)
	<b>Memory type</b>	DDR5 4800MHz ECC RDIMM DDR5 4800MHz ECC RDIMM 3DS
<b>GPU</b>	<b>Architecture</b>	NVIDIA HGX™ H100 SXM 8-GPU with PCIe 5.0 x16 CPU-to-GPU Interconnect 8x H100 80GB / NVIDIA® NVLink™ with NVSwitch™
<b>Network</b>		1x 1GbE Management Port dedicated to the IPMI up to 8 x ConnectX-7 InfiniBand/VPI Adapter Card, NDR IB OSFP, PCIe 5.0x 16
<b>I/O</b>	<b>Front</b>	1x USB 3.0 1x USB 2.0 1 x VGA
	<b>Rear</b>	1x BMC management network port 2x USB 3.0 1x System/BMC serial port 1x VGA Port
<b>Management Solution</b>	<b>Out of band remote management</b>	WebGUI, Intelligent Platform Management Interface (IPMI)
<b>Power Supply</b>	<b>Type</b>	8 modules CPRS for dual input power redundancy (N+N) 11.3kW max output
	<b>Power rating</b>	10kW approximately at 100% load
	<b>Power Efficiency</b>	80 PLUS Titanium (96% at 50% load)
<b>Operating Environment</b>	<b>Operating Temperature</b>	10°C to 35°C (50°F to 95°F)
	<b>Non-operating Temperature</b>	Storage (packed): -40°C to +70°C (-40°F to +158°F)
	<b>Operating Relative Humidity</b>	10% to 80% RH
	<b>Non-operating Relative Humidity:</b>	8% to 92% RH
<b>Warranty</b>	<b>2CRSi</b> 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	