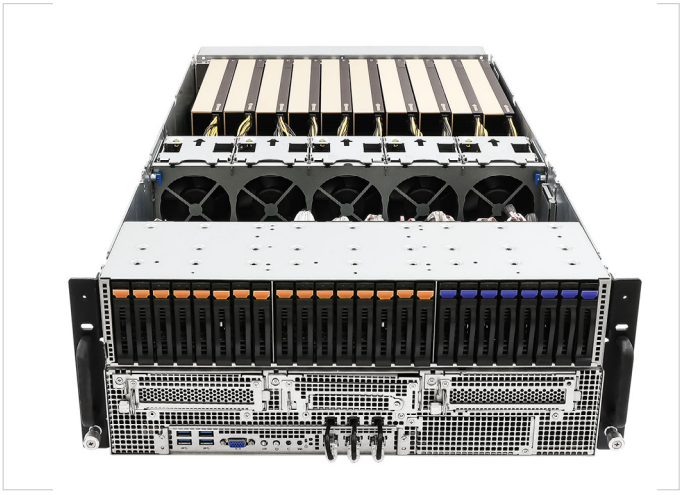
DATASHEET

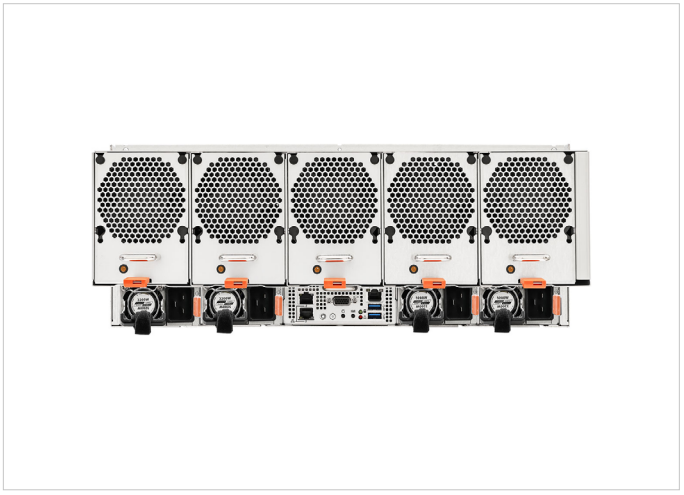
Godì 1.8 SP5-D

GPU WORKSTATION

Dual SP5 socket workstation with 8 full lenght & 2 slots PCIe 5.0x16



No contractual Front view



No contractual Back view

Key Features

- **19-inch - 4U node**
- **Dual AMD EPYC™ 9005 Socket SP5**
- **24x DDR5 up to 6400Mt/s (12 channel per socket)**
- **8x PCIe 5.0 x16 for GPUs 1x PCIe 5.0 x8 HH-HL for NIC or RAID Controler**
- **Air cooling**

SCAN THE CODE!
TO DISCOVER MORE
ABOUT THIS PRODUCT

AMD EPYC™ 9005 Series Processors family

The AMD EPYC™ 9005 Series Processors is designed for unmatched performance, scalability, and energy efficiency in the most demanding data center workloads.

With up to 192 cores and 384 threads, these processors excel in enterprise applications, HPC, and AI tasks. The advanced architecture and enhanced memory and I/O bandwidth deliver superior performance per watt.

Efficient Air Cooling

The Godì is engineered for air cooling setups, ensuring unmatched efficiency in heat dissipation. This method involves using advanced air-cooling technology, optimizing heat transfer over traditional methods. Capitalizing on this, the Godì achieves precise temperature control, markedly cutting power consumption linked to thermal management.

Optimized Density

One standout attribute of the Godì lies in its impressive density optimization, with a particular focus on its internal power. Leveraging air cooling technology, the Godì minimizes the space required for heat dissipation components such as fans and airducts.

This space-efficient design enables an augmented work station density, maximizing the number of systems that can be accommodated in a given space. The Godì sets new standards in density, empowering data centers to optimize floor space while effectively scaling their operational power.

Enhanced Power Efficiency

The Godì is engineered with a dedicated emphasis on energy efficiency, fostering sustainable and cost-effective data center operations. Air cooling technology plays a pivotal role in curbing power consumption, contributing to substantial energy savings compared to conventional air-cooled systems.

With the energy-conscious design of the Godì data centers can markedly diminish their carbon footprint, simultaneously enjoying diminished operational expenses and enhanced environmental sustainability.

DATASHEET

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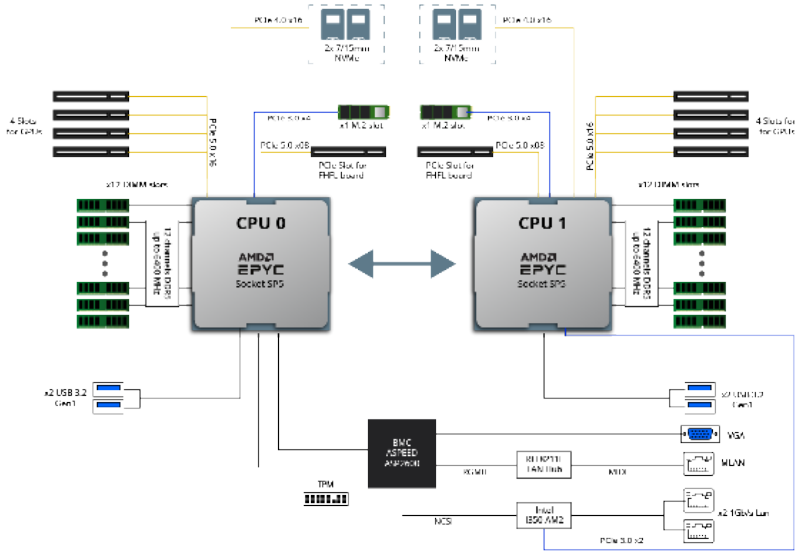
SPECIFICATIONS

System	**Model**	Godì 1.8 SP5-D
	Form Factor	19" 4U
	Dimension	867 x 438 x 176.5 mm (34.1" x 17.2" x 6.9")
	Cooling Technology	Air cooling
	TDP max per chip	CPU 500W / GPU 600W
Storage	**Internal type**	1x M-key (PCIe3.0 x4 or SATA 6Gb/s), supports 22110/2280 [CPU0] 1x M-key (PCIe3.0 x4 or SATA 6Gb/s), supports 22110/2280 [CPU1]
	External type	4x Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays 20x Hot-swap 2.5" SATA/SAS* drive bays *Additional RAID/HBA card required
Motherboard	**CPU**	Dual AMD EPYC™ 9xx5/9xx4 Turin, Genoa, Bergamo and Genoa-X with AMD 3D V-Cache™ Technology, up to 192-core, 384 threads, cTDP up to 500W (2 CPUs must be installed)
	Chipset	System on Chip
	Expansion Slots	8x FHFL dual-slot PCIe5.0 x16 [CPU] 1x FHHL PCIe5.0 x8 (GPU TDP up to 600W — RTX PRO 6000 and H200 NVL4 supported)
Memory	**Total Slots**	24 (12-channel per socket, 1DPC)
	Capacity	RDIMM: 128GB (2Rx4), 3.0TB total RDIMM-3DS: 512GB (2Rx4), 12.0TB total
	Memory Type	AMD EPYC™ 9005: RDIMM up to 6400 MT/s AMD EPYC™ 9004: RDIMM up to 4800 MT/s
Network	**Onboard**	1x 1GbE Management Port dedicated to IPMI 2x 1GbE Intel® i350
	NIC Options	1x FHHL PCIe5.0 x8
I/O	**Front**	1x UID button 1x DB15 (VGA) 2x Type-A (USB3.2 Gen1) 2x RJ45 (1GbE) by Intel i350 1x Dedicated IPMI
	Rear	
Management Solution	**Software**	Aspeed® AST2600
	Remote Management	WebGUI, IPMI 2.0 and RESTful APIs (Redfish) / KVM module, Remote Update (OoB), Platform Firmware Resilience
Power Supply	**Type**	3+1 redundant CRPS
	Power Rating	3200W
	Power Efficiency	Titanium
Operating Environment	**Operating Temperature**	10°C ~ 35°C
	Non-operating Temperature	-40°C ~ 70°C
	Non-operating 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	

2CRSi, Specifications are subject to change. Please verify with your sales representative for latest revision.

BLOCK DIAGRAM

SKU #1	Front storage	Front Expension slots
BRB-GI1-408-SP5D-R1101	Up to 4x U.2 NVMe (PCIe G5) + 20 Hot-swapable 2.5 inch *(depending the configuration)*	1x PCIe x8 (Gen5 x16 link), FFHL



SKU #2	Front storage	Expension slots
BRB-GI1-408-SP5D-R1102	16 hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays or 24 Hot-swap 2.5" SATA/SAS **drive bays *Additional RAID/HBA card required*	Front :2x PCIe x16 FHHL (PCIe5.0) Rear : 10 FHFL dual-slot PCIe5.0 x16 (with PEX89104 PCIe Switch) 1 FHFL single-slot PCIe5.0 x16 (CPU direct link)

