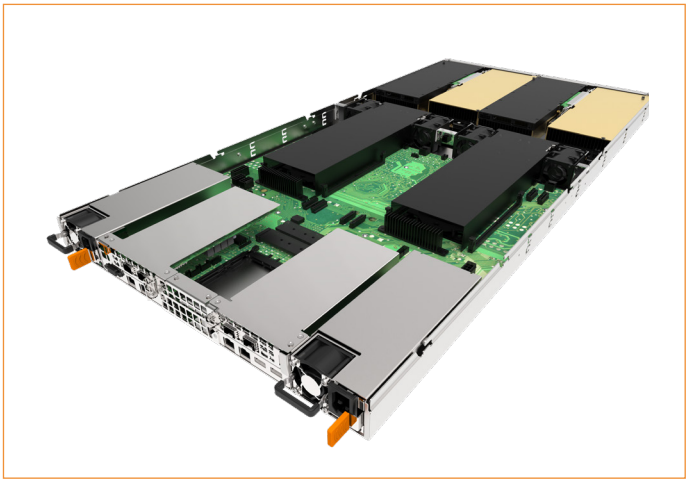
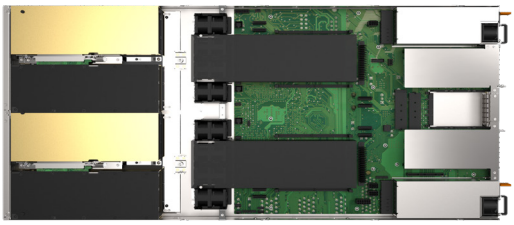
DATASHEET

Godi 1.4GG

Dual SP5 socket server with 4 DW FHFL slots for accelerators





No contractual

Key Features

- 19-inch 1U
- Dual AMD EPYC™ 9004/9005 Socket SP5
- 24x DDR5 @ 4800MHz
- 4x PCIe 5.0 x16 FH FL
  2x PCIe 5.0 x16 HH HL
  1x OCP 3.0
- Air cooling

Godì 1.4 GG – The Future of High-Performance Computing

Discover unparalleled performance with the Godì 1.4 GG, a cutting-edge 1U server designed to exceed the expectations of modern data-driven environments. Built with the latest AMD EPYC™ processors and equipped with flexible storage, networking, and memory options, this server empowers your infrastructure to handle the most demanding workloads.

Smart Cooling Technology – Optimized for High-Density Performance

The air-cooling system in the Godì 1.4 GG has been meticulously designed by our team of expert thermal engineers to meet the demands of high-density computing environments.

Leveraging advanced airflow optimization and precision engineering, the cooling solution ensures consistent thermal performance, even during peak workloads. This innovative design not only safeguards critical components but also maximizes reliability and efficiency in diverse operating conditions.

Our thermal engineers have worked tirelessly to create a cutting-edge cooling architecture that allows the Godì 1.4 GG to support its unparalleled processing and memory density without compromise.

Accelerate Performance with PCIe Gen 5 Slots

The Godì 1.4 GG is equipped with 4 PCIe 5.0 x16 slots, purpose-built to deliver exceptional bandwidth for demanding workloads. These slots are optimized for dual-width GPUs or FPGA accelerators, enabling unparalleled compute density and flexibility.

Whether you're leveraging high-performance GPUs for AI/ML training, deep learning inference, or GPU-accelerated simulations, or deploying FPGAs for low-latency, high-throughput workloads, the Godì 1.4 GG ensures maximum compatibility and peak performance.

SCAN THE CODE!
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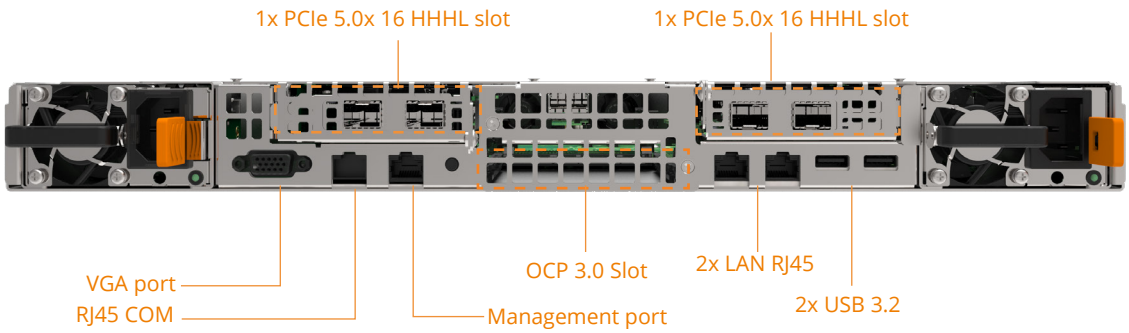
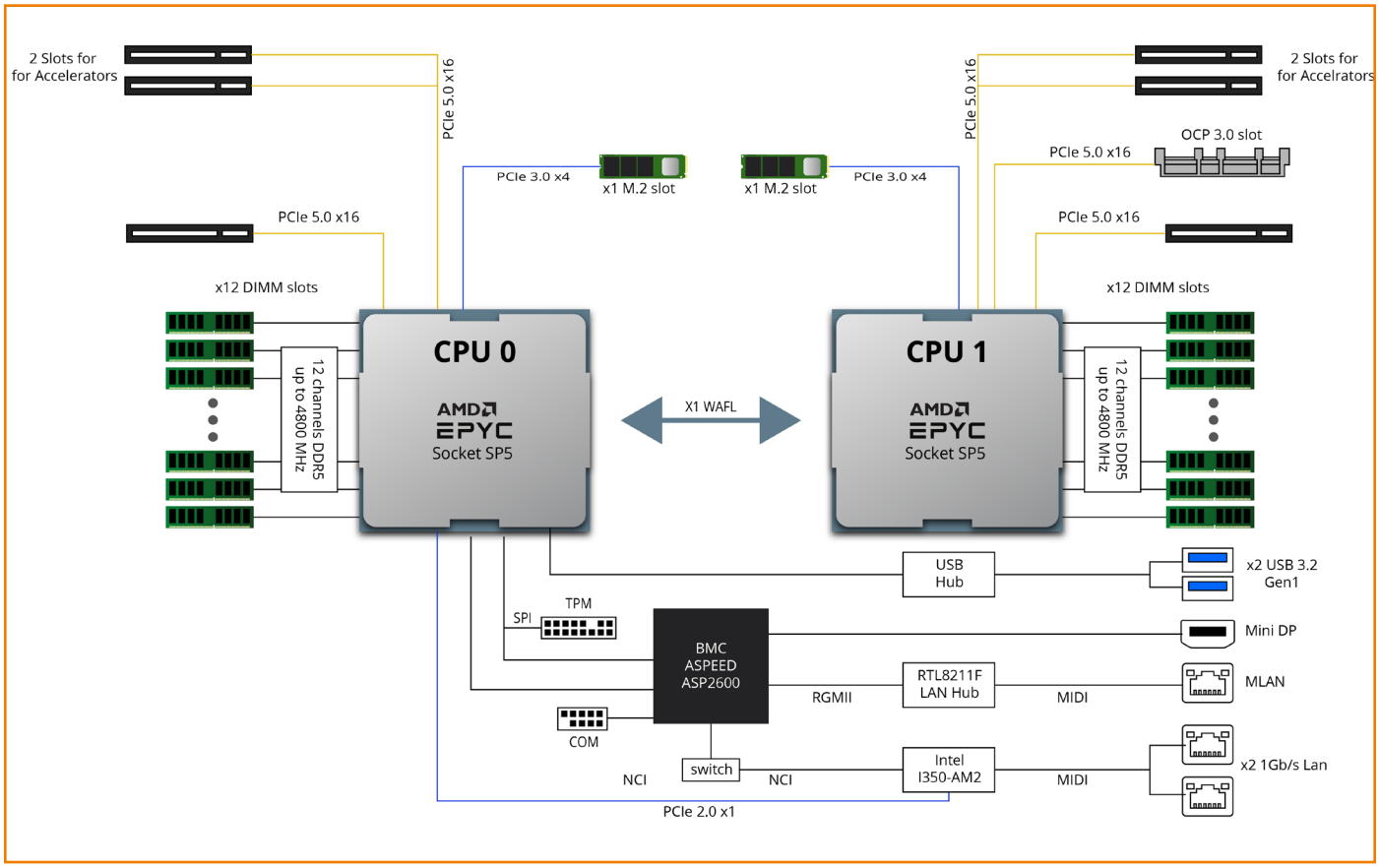


BLOC DIAGRAM



DATASHEET

Godi 1.4GG

SPECIFICIATIONS

system	**Model**	Godi 1.4GG
	Form factor	19-inch 1U
	Dimension	438mm (W) x 900mm (D) x 43.5mm (H) 17.24" (W) x 35.43" (D) x 1.71" (H)
	Cooling technology	Air cooling
Storage	**Internal type**	2x M.2 NVMe PCIe 3.0 x2 2280/22110 Optional : 2x M.2 NVMe PCIe 5.0 x2 2280/22110
	RAID controler	Optional: Broadcom 9540-2M2, RAID 0/1 for 2x M.2 NVMe PCIe 4.0 x2 2280/22110
Motherboard	**CPU**	Dual AMD EPYC™ 9xx5*/9xx4 Turin, Genoa, Bergamo and Genoa-X with AMD 3D V-Cache™ Technology Series Processor families, up to 160-core, 320 threads per processor, cTDP up to 280W *10.03 BIOS version and 10.01.00 BMC update are required to support AMD EPYC™ 9005 series processors
	Chipset	System on chip
	Expansion slots	4x PCIe 5.0 x16 for DW FH-FL cards (Front) for L40S. (can accommodate other accelerators through faceplate customization) 1x PCIe 5.0 x16 for HH-HL cards (Rear) 1x PCIe 5.0 x16 OCP v3.0 LAN mezzanine slot
	TPM	TPM 2.0 (optional)
	BMC	Aspeed 2600
Memory	**Total slots**	24 (12-channel)
	Total Capacity	Up to 12TB, from 16GB to 512GB per module
	Memory type	DDR5 4800 MHz (1DPC) / 4000MHz (2DPC)
Network	**Onboard**	1x 1GbE Management Port dedicated to the IPMI 2x 1GbE Intel® i350
	OCP 3.0 Options	2x 25GbE (SFP28) 2x 100GbE (QSFP56 / QSFP28) 2x 200GbE (QSFP56, IB/ETH)
I/O	**Front**	2x USB 3.2 Port (Type A) 1x SVGA 2x RJ45 1x RJ45 dedicated IPMI
Management solution	**Software**	WebGUI, IPMI 2.0 and RESTful APIs (Redfish)
	Remote management	iKVM module, Remote Update (OoB), Platform Firmware Resilience
Power supply	**Type**	1+1 Redundant CRPS, 2200W, 80 PLUS Titanum (96%)
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	