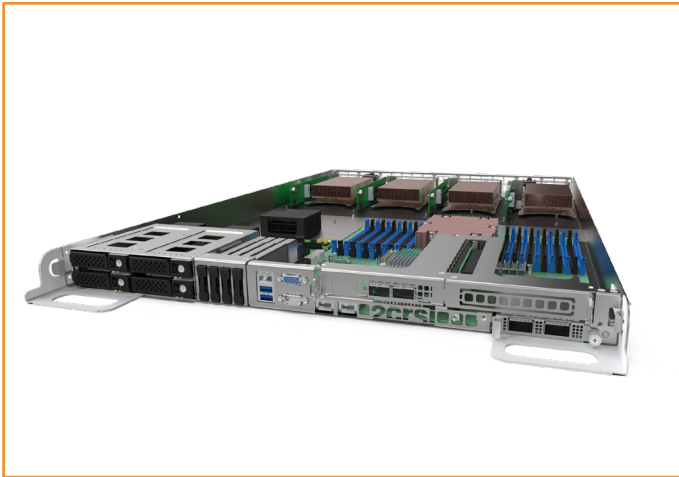


OCtoPus 1.4G0

OCp READY GENOA PLATFORM

Single SP5 socket server with 4 full length dual slots PCIe 5.0x16



No contractual

Key Features



21-inch 1 OpenU



Single AMD EPYC™ 9004
Socket SP5



24x DDR5 @ 4800MHz



4x PCIe 5.0 x16 FH FL DW
2x PCIe 5.0 x16 HH HL
1x OCP 3.0



Immersion cooling

AMD EPYC™ 9004 Series Processors family

The AMD EPYC™ 9004 Series Processors family also offers industry-leading security features, including Secure Memory Encryption (SME) and Secure Encrypted Virtualization (SEV), providing robust protection for your critical data and applications. Moreover, the processors are compatible with the latest PCIe 5.0 standard, enabling faster data transfer rates and reducing latency to further enhance your computing experience.

Efficient Immersion Cooling

The OctoPus1.4G0 is specifically designed for immersion cooling configurations, offering unrivalled efficiency in heat dissipation. The immersion cooling process involves immersing server components in a dielectric liquid, ensuring more efficient heat transfer compared to traditional air cooling methods. The OctoPus1.4G0 capitalises on this principle, using immersion cooling to achieve precise temperature control and significantly reduce the power consumption associated with thermal management.

Optimized Density

One of the features of the OctoPus1.4G0 is its exceptional density optimisation. By using immersion cooling, the OctoPus1.4G0 minimises the space required for heat dissipation mechanisms such as fans and air ducts. This space-saving design makes it possible to increase the density of server racks, maximising the number of servers that can be housed in a given space. OctoPus1.4G0 sets new standards in server density, enabling data centres to optimise their floor space and scale their operations efficiently.

Enhanced Power Efficiency

The OctoPus1.4G0 has been designed with a focus on energy efficiency, to enable sustainable and cost-effective data centre operations. Immersion cooling significantly reduces the power consumption typically associated with air-cooled systems, resulting in substantial energy savings. Thanks to the energy-efficient design of the OctoPus1.4G0, data centres can significantly reduce their carbon footprint while benefiting from reduced operational costs and increased environmental sustainability.

embracing the principles and benefits of Open Compute

OctoPus1.4G0 is a server system that is fully aligned with the principles of the Open Compute Project (OCP), embodying openness, efficiency, scalability, flexibility, sustainability and transparency. Designed with the OCP ethos at its heart, the OctoPus1.4G0 reaps the associated benefits, optimising cooling, density and energy efficiency to revolutionise data centre operations. Immerse your data centre in OCP-inspired innovation excellence with the OctoPus1.4G0.

SCAN THE CODE!

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

OCtoPus 1.4G0



SPECIFICIATIONS

system	Model	OCtoPus 1.4G0 immersion
	Form factor	21-inch 1OpenU
	Dimension	788.4x 537 x 45.5mm (latch to hard stop) 31"x 21" x 1.8" (latch to hard stop)
	Cooling technology	Immersion cooling
	TDP max per server	2000W
Storage	Internal type	2x M.2 NVMe PCIe 5.0 x2 2280/22110
	External type	4x M.2 NVMe 5.0x2
	RAID controller	Optional
Motherboard	CPU	Single AMD EPYC™ 9004 Series Processor Socket single SP5
	Chipset	System on chip
	Expansion slots	2x PCIe 5.0 x16 for HH-HL cards (Front) 4x PCIe 5.0 x16 for FH-FL DW 260mm (internal) for accelerator cards (Datacenter or workstation types) 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
	OCP 3.0 Options	2x 25GbE (SFP28) 2x 100GbE (QSFP56 / QSFP28) 2x 200GbE (QSFP56)
I/O	Front	2x USB 3.2 Port (Type A) 1x SVGA 1x DB-9 COM 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	12V DC Busbar connector compliant to OCP ORv1 and ORv2 standard
Operating environment	Operating temperature	10°C ~ 35°C
	Non-operating temperature	-40°C ~ 70°C
	Operative relative 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	