

OCtoPus 1.4EE

SERVER BASED ON OCP PRINCIPLES

21-inch - 10U - 2 CPUs and 4 GPUs - Front IO

Key Features



21-inch - 10U / 2 CPUs
/ 4 GPUs - Front IO



Dual AMD EPYC™ 7xx2
and 7xx3 Series
processors family
Socket SP3



16x DDR4 @ 3200MHz



4x PCIe 4.0 x16 +
2x PCIe 4.0 x16 HL LP



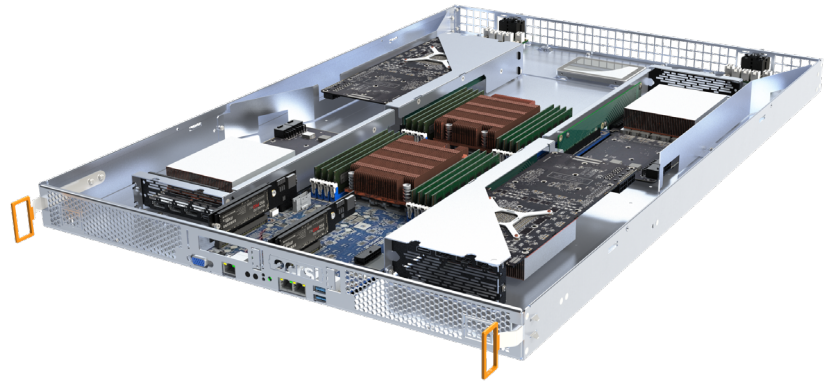
OCP technology
12V DC



IPMI / iKVM with
ASPEED® AST2500



Direct Liquid Cooling
Immersion Cooling



AMD EPYC™ Series Processors family

The OCtoPus 1.4EE was built to elevate your business productivity with AMD EPYC™ - the world's highest performing x86 server processors. With a broad and growing ecosystem, AMD EPYC™ Processors deliver the highest per-core performance to ensure fast time-to-value for your business.

Elevate your system with the latest AMD EPYC™ 7xx3

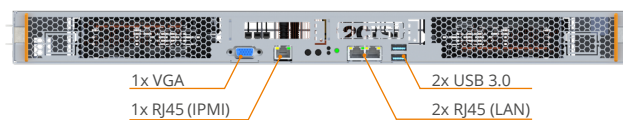
3rd Generation of AMD EPYC™ Series Processors empower faster time-to-value by delivering performance and scalability, while also helping keep your data secure. AMD Infinity Guard helps your organization take control of security and decrease risks to your most important assets - your data.

Certified by the Solar Impulse Foundation

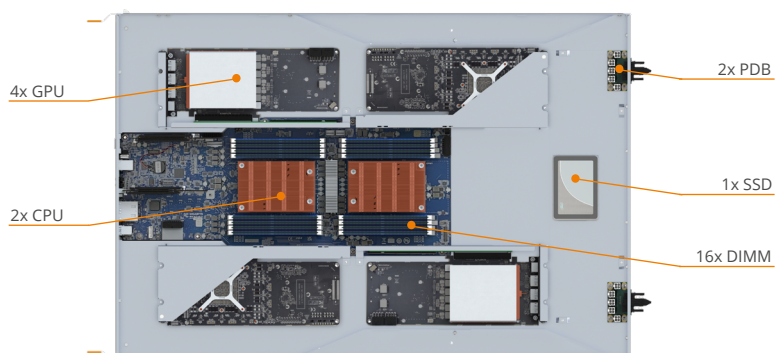
To address sustainability challenges while enabling economic growth Bertrand Piccard, serial explorer, initiator and visionary behind Solar Impulse has identified with its Foundation, 1000+ clean and profitable solutions including the OCtoPus server solution since October 2021.



Front I/O view



Server overview



SPECIFICATIONS

System	Model	OCtoPus 1.4EE
	Form Factor	21-inch 1OpenU
	Nodes	2 CPUs
	Dimension	788.4x 537 x 45.5mm (latch to hard stop) 31"x 21" x 1.8" (latch to hard stop)
Motherboard	CPU	2x Socket SP3 (LGA 4094) AMD EPYC™ 7xx2 and 7xx3 Series Processor family (In Air Cooling: up to 200W, In Immersion Cooling: up to 280W)
	Chipset	System on chip
	GPU	Up to 4x Dual-slot Nvidia® GeForce, Tesla, Quadro or AMD Vega, Vega Pro cards Maximum limitation of GPU card: 285 x 111.5 x 39.5mm (LxWxH)
	Expansion slots	4x PCIe x16 (Gen4 x16) for GPUs 1x PCIe x16 (Gen4 x16) Half-length low-profile slots 1x PCIe x16 (Gen4 x8) Half-length low-profile slots
	BMC	Aspeed® AST2500
Memory	Total Slots	16 (8-channel per CPU, 8 DIMM per CPU)
	Capacity per DIMM	Maximum up to 1024GB (with 128GB RDIMM / LRDIMM modules) Maximum up to 2048GB (with 256GB 3DS RDIMM / LRDIMM modules)
	Memory Speed	Up to 3200 MHz
Network		2x RJ45 1Gb/s LAN ports (Intel® I350-AM2 controller) 1x 10/100/1000 management LAN (IPMI)
Front I/O	Ports	2x USB 3.0 1x VGA 2x RJ45 (1GbE) 1x RJ45 dedicated IPMI (MLAN)
	Switch/LED	1x Power button with LED 1x ID button with LED 1x Reset button 1x NMI button 1x System status LED
Management Solution	Out of Band Remote Management	BMC Remote control based on Aspeed® AST2500 remote management controller (Power Control Configuration, Chassis Identify, Boot Option, iKVM, BMC Account Configuration)
Power Supply	Type	OCP Principles: Power Supplies are mutualized at the back of the rack