

OCtoPus 3EE

SERVER BASED ON OCP PRINCIPLES

21-inch - 10U - 3 Nodes - 6 CPUs chassis - Front IO

Key Features



**21-inch - 10U / 6 CPUs
- Front IO**



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



48x DDR4 @ 3200MHz



PCIe lanes Gen.4



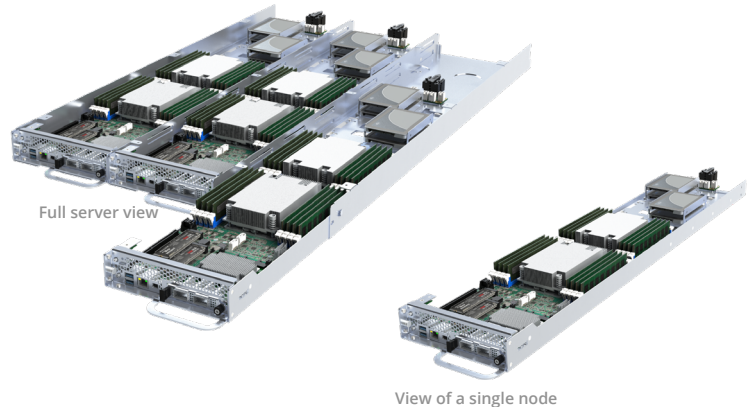
**OCP technology 12V
DC**



**IPMI with Aspeed®
AST2500**



Immersion Cooling



AMD EPYC™ Series Processors family

The OCtoPus 3EE 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.

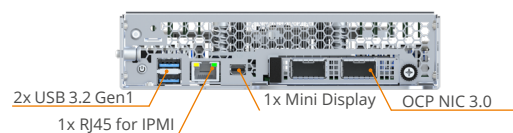
Certified by the Solar Impulse Foundation

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.

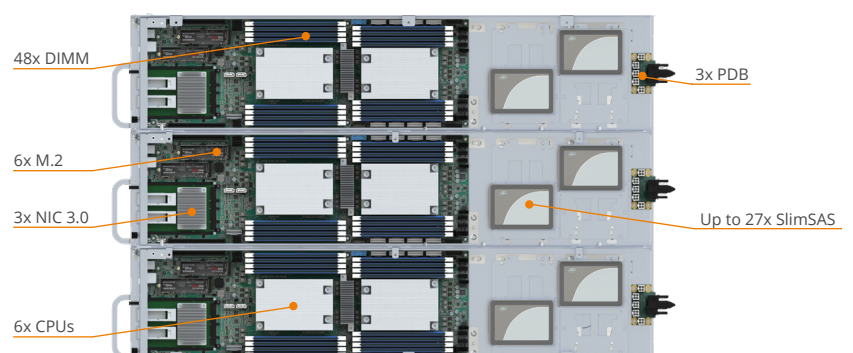
Optimized Architectures

AMD EPYC™ processors are designed with large caches and memory bandwidth that are optimized for many commercial and open-source applications. AMD and 2CRSi continue to provide industry-leading performance for HPC workloads, empowering designers and engineers to iterate, innovate, and impact the world faster.

Front I/O view (per node)



Server overview



SPECIFICATIONS

System	Model	OCtoPus 3EE
	Form Factor	21-inch 1OpenU
	Nodes	6 CPUs
	Dimension	845 x 537 x 43mm 33"x 21" x 1.7"
Storage	Internal type	Up to 9x SlimSAS (PCIe4.0 x8) per node
Motherboard	CPU	Per node: 2x Socket SP3 (LGA 4094) AMD EPYC™ 7xx2 and 7xx3 Series Processor family
	Chipset	System on chip
	Expansion slots	2x PCIe Gen.4 x24 per node
	M.2 connector	2x M.2 NVMe (PCIe 4.0 x4) per node on CPU 0
	BMC	Aspeed® AST2500
Memory	Total Slots	48 (8-channel, 8-DIMM per CPU)
	Capacity per DIMM	Maximum up to 64GB (with RDIMM modules) Maximum up to 128GB (with LRDIMM modules) Maximum up to 256GB (with 3DS RDIMM / LRDIMM modules)
	Memory Speed	Up to 3200 MHz
Network		Per node: 1x Realtek RTL8211E for dedicated management GLAN (IPMI) 1x OCP NIC 3.0 (PCIe4.0 x16) Options available: 2x 25GbE (SFP28) 2x 100GbE (QSFP56 / QSFP28) 2x 200GbE (QSFP56)
Front I/O	Ports	Per node: 2x USB 3.2 Gen1Type-A 1x Mini Display Port 2x ports via OCP NIC 3.0 1x RJ45 dedicated IPMI
	Switch/LED	Per node: 1x Power button with LED 1x UID button with LED 1x LAN Status LED 1x LAN Speed 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 Input	Type	OCP technology 12V DC