

OCtoPus 1.4iP

SERVER BASED ON OCP PRINCIPLES

21-inch - 1OpenU - 2 CPU and 4 GPUs - Front IO

Key Features



21-inch - 10U / 1 CPU /
4 GPUs - Front IO



Dual 3rd Gen Intel
Xeon Scalable
Processors Family
Socket P+



24x DDR4 @ 3200MHz



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



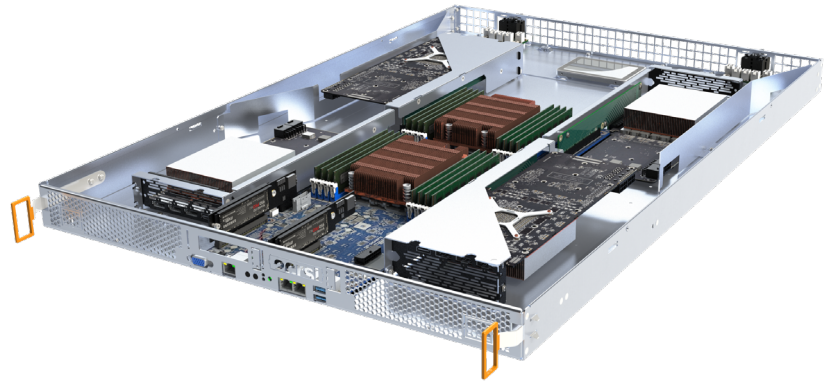
OCP technology
12V DC



IPMI / iKVM with
ASPEED® AST2500



Air Cooling Immersion
Cooling



3rd Gen Intel Xeon Scalable Processors

The OCtoPus 1.4 iP has been built for those who need a flexible and efficient solution. The 3rd Gen Xeon Scalable processors offer a balanced architecture with built-in acceleration and advanced security capabilities.

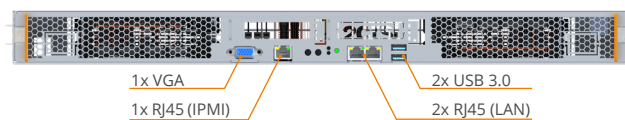
Enhance your performance with the most advanced processors

3rd generation Xeon Scalable processors increase core performance, memory and I/O bandwidth to accelerate workloads from the data center to the intelligent edge. Optimized for cloud, enterprise, HPC, networking, security and IoT workloads with 8 to 40 cores and a wide range of frequencies, features and power levels.

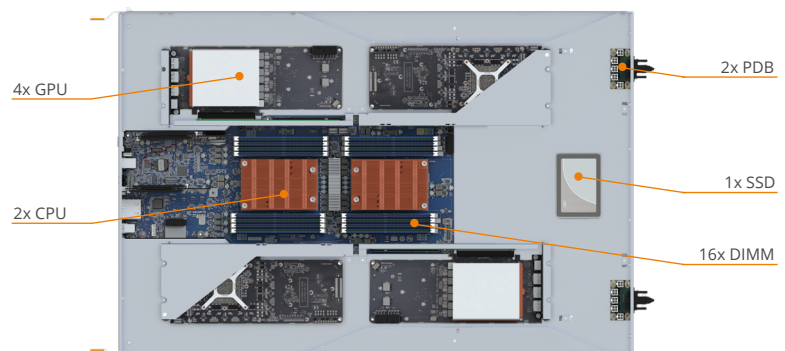
Certi fied by the Solar Impulse Foundation

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 1.4E (Rev. 1.0)
	Form Factor	21-inch 1OpenU
	Nodes	1 CPU
	Dimension	788.4x 537 x 45.5mm (latch to hard stop) 31"x 21" x 1.8" (latch to hard stop)
Storage	Internal type	1x SSD 2.5"
Motherboard	CPU	3rd Generation Intel® Xeon® Scalable Processors In Air Cooling: up to 200W In Immersion Cooling: up to 280W
	Chipset	Intel® C621A Express Chipset
	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	2x PCIe Gen4 x16 half-length low-profile slots for add-on cards 4x PCIe Gen4 x16 for GPUs
	BMC	Aspeed® AST2600
Memory	Total Slots	24 (8-channel, 12 DIMM) DDR4 memory supported only
	Capacity	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		2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2) 1x 10/100/1000 management LAN (IPMI)
Front I/O	Ports	2x USB 3.0 Gen1 (Type-A) 1x VGA 2x RJ45 1x RJ45 dedicated IPMI
	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® AST2600 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