

OCtoPus 1.8L3

SERVER BASED ON OCP PRINCIPLES
21-inch – 2OpenU – 2 CPUs and 8 GPUs – Front IO

Key Features

- 21-inch - 2OU / 2 CPUs / 8 GPUs - Front IO**
- Dual AMD EPYC 7006FD0DEOH 3URFHVVRUV Socket P**
- 16x DDR4 @ 3200MHz**
- 8x PCIe 4.0 x8 + 2x PCIe 4.0 HL LP**
- OCP technology 12V DC**
- IPMI / iKVM with ASPEED® AST200**
- Immersion Cooling**

Front view

AMD EPYC 7006FD0DEOH 3URFHVVRUV

7KH283XL3KDVEHH0XOVUWRVHKBHG5HLEOHDGHFLH0 VROWR0KHUGH0R0FDODEOHSURFHVVURVVRHUDEDODEHGDUFKLWFMH ZWEKOWDFFHOHUDWRDGDGYDEHGVHF0LWDSDEL0LWHV

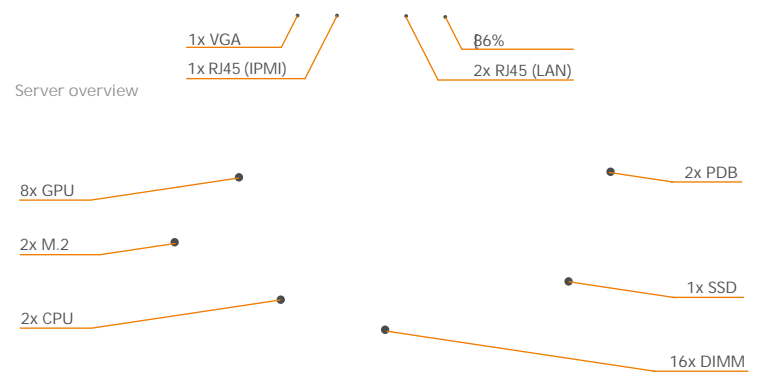
Scale out and scale up

Scaling is critical to HPC applications. AMD EPYC™ 7xx3 Series Processors provide high bandwidth between nodes with support for PCIe Gen4 enabled network devices and accelerators. AMD 3rd Generation processors help HPC workloads scale across on-premise clusters and bring HPC-level performance to the cloud for time-sensitive projects.

Bertrand Piccard, serial explorer, initiator and visionary behind Solar Impulse

To address sustainability challenges while enabling economic growth Bertrand Piccard, serial explorer, initiator and visionary behind Solar Impulse has iden-WL LHG ZWKLWV)R0DWLRO 0HDQDG SUR LWDEOH VROWLR0 L0&L0WK20R3XVHUYHUVROWLR0L020VREHU

Front I/O view



SPECIFICATIONS

System	Model	OCtoPus 1.8EE
	Form Factor	21-inch 2OpenU
	Nodes	2 CPUs
	Dimension	845 x 537 x 86mm 33"x 21" x 3.3"
Motherboard	CPU	2x Socket P+ (LGA 4189) 3rd Generation Intel® Xeon® Scalable Processors
	Chipset	Intel® C621A Express Chipset
	GPU	Up to 8x 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	8x PCIe x8 (4x Gen4 x16 bus) for GPUs 1x PCIe x16 (Gen4 x16 bus) Half-length low-profile slot 1x PCIe x16 (Gen4 x8 bus) Half-length low-profile slot
	BMC	Aspeed® AST2600
Memory	Total Slots	16 (8-channel per CPU, 8 DIMM per CPU)
	Capacity per DIMM	Maximum up to 128GB (with RDIMM / LRDIMM modules) Maximum up to 256GB (with 3DS RDIMM / LRDIMM modules)
	Memory Speed	Up to 3200 MHz
Network		1x RJ45 for dedicated management (IPMI) 2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2)
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® 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