


# OCtoPus 1.4iP

## SERVER BASED ON OCP PRINCIPLES

21-inch - 1OpenU - 1 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

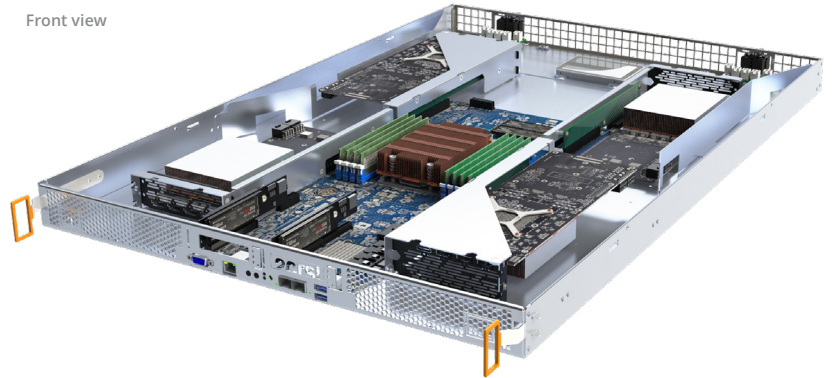
 4x PCIe 4.0 x16 + 2x PCIe 4.0 HL LP

 OCP technology 12V DC

 IPMI / iKVM with ASPEED® AST2500

 Air Cooling Immersion Cooling

Front view



### 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.

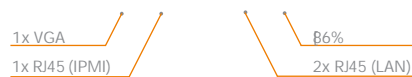
### Enhance your performance with the most advanced processors

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 up to 40 cores and a wide range of frequencies, features and power levels.

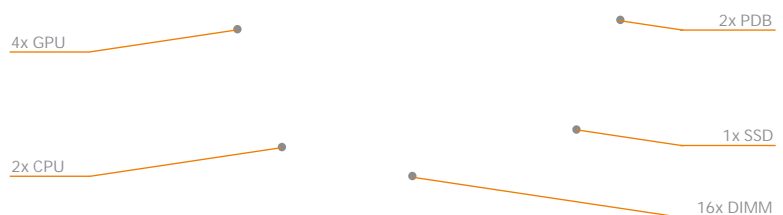
### Certified by the Solar Impulse Foundation

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

<b>System</b>	<b>Model</b>	OCToPus 1.4E (Rev. 1.0)
	<b>Form Factor</b>	21-inch 1OpenU
	<b>Nodes</b>	1 CPU
	<b>Dimension</b>	788.4x 537 x 45.5mm (latch to hard stop) 31"x 21" x 1.8" (latch to hard stop)
<b>Storage</b>	<b>Internal type</b>	1x SSD 2.5"
<b>Motherboard</b>	<b>CPU</b>	3rd Generation Intel® Xeon® Scalable Processors In Air Cooling: up to 200W In Immersion Cooling: up to 280W
	<b>Chipset</b>	Intel® C621A Express Chipset
	<b>GPU</b>	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)
	<b>Expansion slots</b>	1x PCIe Gen4 x16 half-length low-profile slots for add-on cards 1x PCIe Gen4 x8 half-length low-profile slots for add-on cards 4x PCIe Gen4 x16 for GPUs
	<b>BMC</b>	Aspeed® AST2600
<b>Memory</b>	<b>Total Slots</b>	24 (8-channel, 12 DIMM) DDR4 memory supported only
	<b>Capacity</b>	Maximum up to 1024GB (with 128GB RDIMM / LRDIMM modules) Maximum up to 2048GB (with 256GB 3DS RDIMM / LRDIMM modules)
	<b>Memory Speed</b>	Up to 3200 MHz
<b>Network</b>		2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2) 1x 10/100/1000 management LAN (IPMI)
<b>Front I/O</b>	<b>Ports</b>	2x USB 3.0 Gen1 (Type-A) 1x VGA 2x RJ45 1x RJ45 dedicated IPMI
	<b>Switch/LED</b>	1x Power button with LED 1x ID button with LED 1x Reset button 1x NMI button 1x System status LED
<b>Management Solution</b>	<b>Out of Band Remote Management</b>	BMC Remote control based on Aspeed® AST2600 remote management controller (Power Control Configuration, Chassis Identify, Boot Option, iKVM, BMC Account Configuration)
<b>Power Supply</b>	<b>Type</b>	OCP Principles: Power Supplies are mutualized at the back of the rack