

# CLOE 4iP

## HIGH PERFORMANCE COMPUTING

19-inch - 2U-4 nodes chassis

### Key Features



19-inch - 2U/4 nodes



Dual Intel®  
Xeon® 3rd Gen  
socket per node



16 x DDR4 @ 3200MHz  
per node



1 x PCIe 4.0 x16  
1 x OCP 3.0 x16  
per node



Redundant 80+  
Titanium 3kW PSU



IPMI / RedFish® with  
ASPEED 2600



Air Cooling



### 3rd Gen Intel® Xeon® Scalable Processors

The CLOE 4iP is built with the latest Intel® Xeon® Processor Scalable Family with 16 DDR4 Memory up to 3200MHz, and designed for the demand of high scalability, high density computing, and wide range of existing and emerging workloads.

### PCIe 4.0 Ready

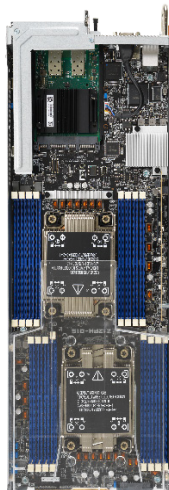
PCI Express® (PCIe) 4.0 delivers 16 GT/s bandwidth, which is double the speed of PCIe 3.0, offering lower power consumption, better lane scalability and backwards compatibility.

### 3000W Titanium Power Supplies

With redundant 3000W Titanium power supplies, the CLOE 4iP offers the best performance and energy efficiency ratio on the market for more sustainable and eco-friendly high density solution.

### On board Host Bus Adapter SAS Controller

To provide maximum performances and agility, the CLOE 4iP is already equipped with an onboard SAS3008 Broadcom controller to manage up to 8 SAS drives.



## SPECIFICATIONS

<b>System</b>	<b>Model</b>	CLOE 4iP
	<b>Form Factor</b>	19-inch 2U
	<b>Nodes</b>	Up to 4
	<b>Dimension</b>	800 x 444 x 88mm 31.5" x 17.48" x 3.46"
<b>Storage per node</b>	<b>Internal type</b>	2 x M.2 (Gen4 x4 link, up to 2280, PCIe, SATA)
	<b>Front Hot swaps</b>	8 x 2.5" Hot-swap Storage Bays (SATA/SAS/NVMeSupported)
	<b>HBA Controller</b>	Broadcom SAS3008 (Support RAID 0, 1) 2 x SAS 12Gb/s ports or 2 x SATA 6Gb/s ports
<b>Motherboard per node</b>	<b>CPU</b>	2 x Socket P+ (LGA 4189) 3 <sup>rd</sup> Gen Intel® Xeon® Processor Scalable family (Up to 205W) 3x UPI 11.2 GT/s
	<b>Chipset</b>	Per Node: Intel® C621A
	<b>Expansion slots</b>	Per Node: 1x PCIe x16 (Gen4 x16 link), LP, HL 1x OCP 3.0 Mezzanine (Gen4 x16 link)
	<b>BMC</b>	Aspeed AST2600
<b>Memory per node</b>	<b>Total Slots</b>	16 (8-channel per CPU, 8 DIMM per CPU)
	<b>Capacity</b>	Maximum up to 6TB per Node (4+4 DCPMM configuration) Maximum up to 4TB per Node (RDIMM/LR-DIMM only configuration)
	<b>Memory Type</b>	DDR4 3200/2933 RDIMM up to 128GB DDR4 3200/2933 RDIMM 3DS up to 256GB DDR4 3200/2933 LR-DIMM 3DS up to 128GB
<b>Network per node</b>		1x Intel® I210-AT Gigabit LAN controller 1x Management Port
<b>I/O per node</b>	<b>Ports</b>	2 x USB 3.2 ports 1 x VGA port 1 x RJ45 GbE LAN ports 1 x RJ45 Management port
	<b>Switch/LED</b>	1 x Power Switch/LED 1 x Q-Code/Port 80 LED
<b>Management Solution</b>	<b>Software</b>	AMI MegaRAC SP-X
	<b>Out of Band Remote Management</b>	WebGUI, Intelligent Platform Management Interface (IPMI) and Redfish® API

## SKU

<b>Chassis</b>	<b>CAS-CE4-208iP-R010</b>	Cloe 4iP chassis 2/4 node Air Cooled (L4) PSU 2 x 3kW, Rails for 600 to 900mm
	<b>NOD-CE1-102iP-x000</b>	Cloe 4iP node (L6) with Riser and CPU coolers
	<b>BRB-CE1-102iPR-R010</b>	Cloe 4iP barebone 2/4 node Air Cooled, PSU 2 x 3kW, with risers, rails and CPU coolers (1 x CAS-CE4-208iP-R010 + 4 x NOD-CE1-102iP-x000)