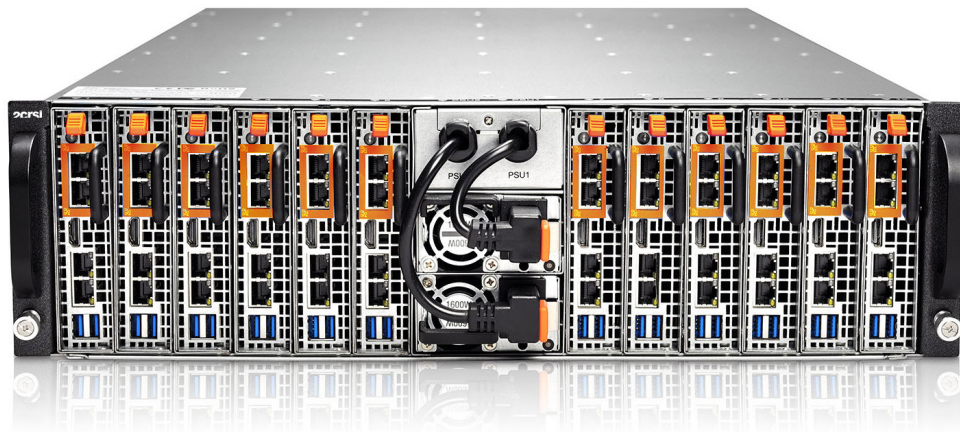

CLOE 12H

Micro Blade Server Barebone



CLOE 12H is a 3U high density Micro-Cloud Server.

It allows the system to support up to 12 hot-pluggable server nodes in a 3U chassis height, with each server node individually to operate according to the needs to flexible configure the number of server nodes.

Customized and Flexible Configurations

Maximum 12 nodes in a system to fulfill requirements upon application needs based on 3, 6, 9 or 12 nodes configuration, Each node support 4x DIMM slot, capacity up to 64GB ECC DDR4. Each node support up to 2x 3.5" or 4x 2.5" internal drives, Overall 24x 3.5" or 48x 2.5" internal drives support in a full configured system.

High Availability and Capability

Supports Intel® Xeon E processor E-2100 Series. Max 6Core+GT2, TDP Up to 95W, Single Socket H4 (LGA 1151).

Centralized Power Supply, Strong Stability

The system equipped with 1+1 hot-swappable 1600W 80+ Platinum redundant PSU. The use of centralized power supply and 1+1 redundant power supply, to ensure system stability.

Rear Smart Fan Control

4x 9038 high performance & hot-swappable fan module with smart fan control and management on the chassis rear.

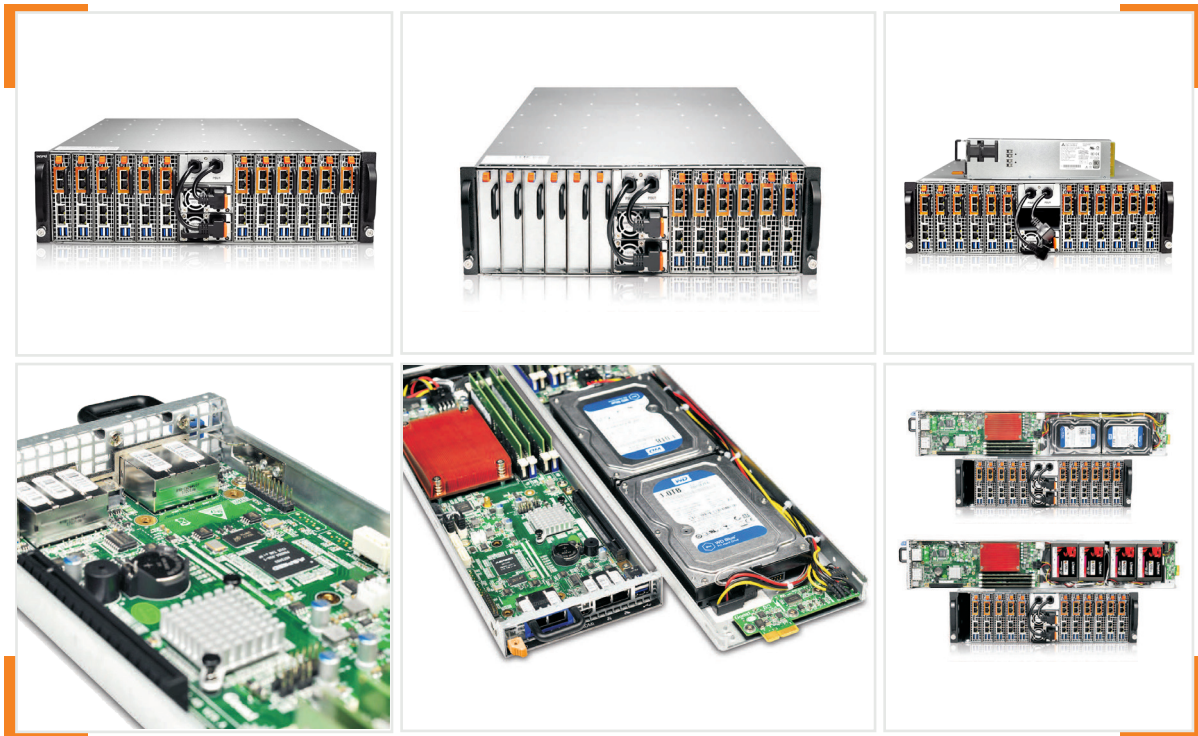
Anti-vibration mechanism design on fan module.

Support Remote Management

System Remote Management through IPMI2.0

Remote Management Technology and Shared Gigabit Management Network Port.

Local HDMI-to-VGA port build-in benefits the serviceability.



System

Server Node	System support up to 12x hot-swappable server nodes, order configurable by 3, 6, ,9 or 12 nodes
CPU	Single CPU support on each node
System Hard Drives	Support up to 24x 3.5" or 48x2.5" hard drives o System Hard n full configuration
System Memory	Support up to 768GB ECC DDR4-1600/1866/2133/2400/2666 UDIMM VLP on full configuration
System Dimension	31.5" *17.6" *5.2" (D*W*H)

Power Supply With PDB

PSU Module	1+1 redundant PSU
PSU Efficiency	1600W module 80+ Platinum
PSU Input/ Output	AC Input: 100-240V 47Hz~63Hz DC Output: +12V,+5V_SB

System Mainboard

MB Model	G3SCN-4B
CPU Type	Supports Intel® Xeon E Processor E-2100 Series. Max 6Core+GT2, TDP Up to 95W, Single Socket H4 (LGA 1151)
Chipset	Intel® PCH C242/C246
DIMM Quantity	Support 4*DIMM slot, 288 Pin DDR4 UDIMM ECC
DIMM Type and Capacity	Up to 64GB DDR4-1600/1866/2133/2400/2666 ECC UDIMM; support 4GB, 8GB,16GB
SATA Port	Support 6个SATA3.0 6Gb/s port
RAID Mode Support	Support Intel® RSTe RAID 0,1,5,10
BMC	Aspeed AST2500 128MB
IPMI	Support IPMI 2.0
NIC	2x Intel® i210 1GbE on board, and optional 4x 1GbE or 2x 10GbE NIC module
USB / VGA	2*USB3.0
SATA DOM	Support SATA DOM power connector
M.2	Support PCIe4 M.2 NVMe SSD 2280

System Cooling

Fan Quantity	Up to 4x 8038, support PWM smart fan control
Fan Speed	Up to 9900 RPM

Operation System Compatibiliy

Operating System Support	Windows Server 2012 R2(64bit); Windows Server 2016 R2 (64bit) Redhat Enterprise Linux Server (32bit/64bit); Suse Enterprise Linux Server (32bit/64bit); Ubuntu Server (32bit/64bit)
Virtualization System Support	VMWare ESXi(Target) Microsoft Hyper-V (Target) Citrix Xen Server(Target) Linux Kernel Virtual Machine (Target)

Operating Environment

Temperatur	OP:10°C ~ 35°C; NON-OP:-40°C ~ 70°C
Humidity	OP:35%~80% ; NON-OP:20% ~ 90%