CLOE 8SW
High Density Micro-Cloud Server

CLOE 8SW is a 3U 8Nodes High Density Micro-Cloud Server.

It supports up to 8x compute nodes in hot-swap, and each node works independently, end user can configure nodes quantity accordingly. It is widely applied to cloud computing, searching engine, web hosting, CDN, video server, social network/FTP and more.

High and stable computing performance

Motherboards that support Skylake platform and LGA3647 socket, support the latest Intel® Xeon® Scalable series processor, TDP up to 145W and work stably on full loading.

Customized on Demands, Collocate Easily

The whole system supports up to 8x compute nodes in hot-swap, each node works independently, end user can configure the quantity and specification according to demands, such as storage expansion, Mezzanine card or PCIe card.

Excellent Ability of Storage Expansion

- Each node support 2x 3.5" SATA/SAS HDDs, the whole system up to 16x 3.5" SATA/SAS HDDs.
- Each node support 4x DIMM slot dual channel, up to 512GB DDR4.
- Each node support 2x M.2 NVMe SSD PCIe x2.

Flexible I/O

- Each node support 4x GbE Intel® I210-AT, the whole system up to 32x GbE.
- Optional Mezzanine card NIC 2x GbE I350 or 2x 10GbE 82599 SFP+.
- Each node with 1x IPMI port, support remote management, based on ASpeed AST2500.
- Each node with 1x VGA and 2x USB 3.1 port (via VGA adapter).

System

Model	CLOE 8SW
Nodes	Support 8x hot-swappable system node
Hard Disk	Maximum support 16x 3.5" hard disks
Memory	4x DDR4 ECC RDIMM/LRDIMM/3DS LRDIMM, support 2133/2400/2666, up to 512GB
Dimension	710mm x 448mm x 132.2mm (DxWxH)

Motherboard

Motherboard	P2SCP
CPU	Intel® Xeon® Scalable series, CPU TDP up to 145W
Chipset	Intel® PCH C621
SATA/SAS	4x SATA3.0
PCIe Slot	2x PCIe x16
Network	4x 1GbE LAN
RAID Support	Intel® RSTe support software RAID 0, 1,5 & 10 (for Windows only)
Graphic	Aspeed AST2500
Management	Intelligent Platform Management Interface v2.0
USB	2x USB 3.1 (per Node)
M.2	2x M.2 PCIe x2 or SATA3 M.2 slots (Size: 2242/2280/22110) per Node

Power Supply

Type	CRPS 1+1 redundant
Power Rating	80+ Platinum level 1200W, 1600W or 2000W
Output Voltage	Input: 100-240V , 47Hz~63Hz Output: +12V_SB, +12V

Fans

Quantity	Up to 4x 80mm temperature-controlled fan
RPM	Up to 14000 RPM (±10%)

Software

OS	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)
Application	VMWare ESXi Microsoft Hyper-V Citrix Xen Server Linux KVM

Operating Environment

Temperature	Operating temperature: 10°C ~ 35°C Storage temperature: -40°C ~ 70°C
Humidity	Operating humidity: 35%~80% Storage humidity: 20% ~ 90%