

CLOE 1H

Zen-quiet Appliance, Magic Capacity



CLOE 1H is a mini 1U rack server based on Intel® C246 Chipset.

With a short 14.5" chassis, CLOE 1H easily fits in diverse rack cabinet, largely increasing density per rack to save space. In addition, it offers the ideal size for IT deployment, which also saves considerable cost when setting up a data center.



1 CPU

1U



Memory Number: 4

Target Market

- Data center
- Embedded application
- SMB print/file/mail server
- Security Appliance Server

Fruitful storage I/O Expandability

- Native 6 SATA 6Gbps onboard
- 2x M.2 for independent OS drive
- PCIe x8 Gen3

Link enable extreme flexibility

Zen-quiet and energy-saving

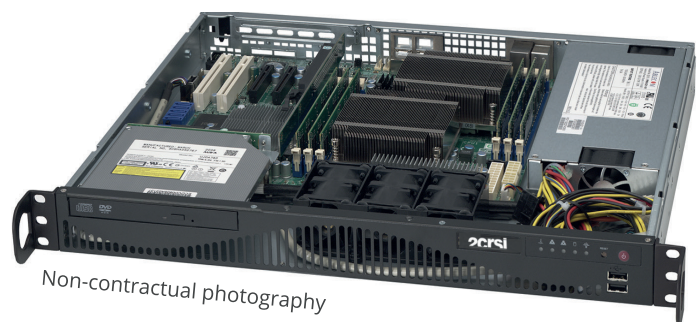
CLOE 1H delivers excellent noise mitigation. It also ships with high efficiency motherboard design and power module that reduces both power consumption and power loss— and that means great energy-cost savings for your organization.

Dual M.2 unleash independent and redundant I/O for OS drive

Capacity up to 4TB M.2 is supported for CLOE 1H, either SATA and PCIe source can be auto by switch.

FEATURE

- 8th/9th Gen Intel®: Core™ i3/Pentium®/Celeron® Processor. Intel® Xeon® E-2100 Processor Intel® Xeon® E-2200 Processor
- Single LGA1151 socket
- PCIe x8 Gen3
- 2x M.2 support
- Up to 4 storage drives supported



Non-contractual photography

CLOE 1H
43mm x 437mm x 368mm (H x W x D)
1.7" x 17.2" x 14.5"



CLOE 1H Front view with connection on the back



CLOE 1H-F Front I/O

SPECIFICATION

Processor Support		1 x Socket LGA-1151 (Socket H4), CPU TDP support up to 95W TDP 8 th /9 th Gen Intel® Core™ i3/Pentium®/Celeron® Processor. Intel® Xeon® E-2100 Processor Intel® Xeon® E-2200 Processor
Chipset		Intel® C246
Memory	Total Slots	4 DIMM Slots
	Capacity	Up to 128GB Unbuffered ECC UDIMM, DDR4
	Memory Type	3200/2933/2666/2400/2133MHz ECC DDR4 SDRAM 72-bit
	Memory Size	4GB, 8GB, 16GB, 32GB
Expansion Slots	PCIe	PCIe x8 Gen3
	M.2	<ul style="list-style-type: none"> • M.2 Interface: 1 SATA/PCIe 3.0 x4 and 1 PCIe 3.0 x4 • Form Factor: 2280/22110 • Key: M-Key • Double Height Connector
Disk Controller	SATA	Intel® C246 controller for <ul style="list-style-type: none"> • 6x SATA3 (6Gbps) ports, RAID 0,1,5,10 • 2x M.2 connector (NGFF2280/22110)
Storage Bays		2 x 3.5" fixed drive bay Optional: Adapter for one 2.5" HDD/SDD 12.5mm into slim DVD slot
Networking	LAN	8x Ports Intel® Ethernet Controller I210-AT 1x Port Management IPMI Optional: Network card
Graphic	VGA	ASPEED AST2500 BMC
Input/Output		6x SATA3 (6Gbps) ports, 8x RJ45 Gigabit Ethernet LAN ports, 1x Dedicated IPMI LAN Port (RJ45), 4x USB 2.0 ports (2 rear + 2 via headers), 5x USB 3.1 Gen1 ports (2 rears, 2 via headers, 1 Type A), 1 VGA port, 1 COM port (1 header), 1 TPM header
Switch/LED	Front Panel Buttons	<ul style="list-style-type: none"> • Power On/Off Button • System Reset Button
	Front Panel LEDs	<ul style="list-style-type: none"> • 2 Network Activity LEDs • Fan Fail/System Over Heat LED • HDD activity LED • Power Status LED
OS Support		Windows 64bits Windows Server 2012 R2, Windows Server 2016, Windows 10, Windows 8.1 Enterprise Linux 64bits RedHat Linux EL 7.5/7.4/6.9, Fedora 28/27 SuSE Leap 42.3/15.0 SuSE SLES 12 SP3 Ubuntu 17.10.1 Ubuntu 18.04LTS Oracle Linux 7.5 FreeBSD 11.1 CentOS 7.5/7.4 XenServer 7.4 UEFI BOOT Windows 10 64bit, Windows Server 2016 64bit RHEL 7.4 64bit, RHEL 7.5 64bit, Fedora 28 64bit, SuSE Leap 15.0 64bit, SLES 12 SP3 64bit, CentOS 7.5 64bit
Management Solution	Software	Intel® Node Manager, IPMI 2.0, NMI, SPM, SSM, SUM, SuperDoctor® 5, Watchdog
	System Management Software	IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support
Power Supply		Single 350W Platinum Level Rating: 100-240Vac, 5A-2.5A, 50-60Hz Optional: Redundant power supply
Dimension		H x W x D: 43mm x 437mm x 368mm (1.7" x 17.2" x 14.5")
Environment	Operating temp.	5°C - 35°C (41°F - 95°F)
	Non-operating temp.	-40°C to 70°C (-40°F to 158°F)