

Microcloud SuperServer SYS-530MT-H8TNR



More details here

Key Applications

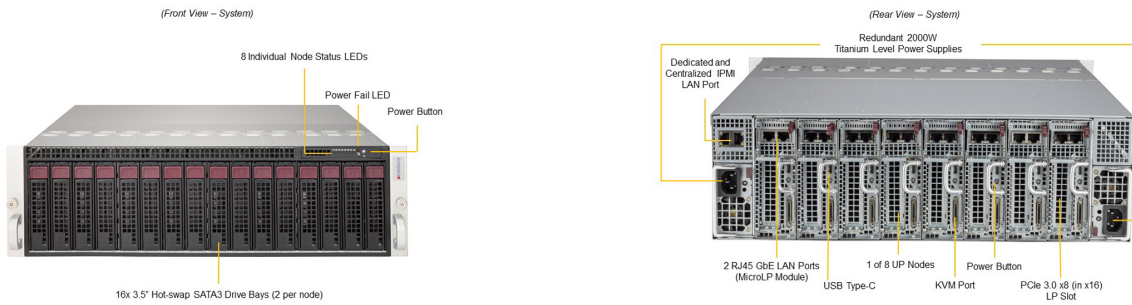
Cloud Computing, Web Hosting, VM, Online Game Server Hosting, IT Infrastructure, Web Cache, Social Networking,

Key Features

- 8 set of Intel® Xeon® E-2300 series and Pentium processor;
- Intel® C256;
- 8 set of Up to 128GB ECC/non ECC UDIMM; DDR4 3200MHz, in 4 DIMM sockets;
- 8 set of PCIe 4.0 x8 (in x16 slot) low profile slot and 8 set of Micro-LP slots (MicroLP upgradable);
- 8 set of Dual 1GbE LAN Ports;
- 8 set of 2x Front Hot-swappable 3.5" SATA3 HDD or Hybrid 2x 2.5" SAS/SATA3/NVMe U.2 drives w/ option kits;
- 2000W Redundant Titanium Level high-efficiency power supplies;



Form Factor	3U Rackmount Enclosure: 438 x 132 x 589mm (17.26" x 5.21" x 23.2") Package: 667 x 295.91 x 863.6mm (26.26" x 11.65" x 34")
Processor	Support Intel® Xeon® processor E-2300 series and 10th Gen. Pentium® Processors Single Socket Socket H5 LGA 1200 supported TDP up to 95W; Intel® Xeon® E-2300 series and Pentium processor Single Socket LGA 1200 (Socket H5) supported TDP up to 95W;
System Memory	4 DIMM slots Up to 128 ECC UDIMM, DDR4-3200MHz
Drive Bays	2x 3.5" hot-swap NVMe/SATA/SAS drive bays 2 M.2 NVMe OR 2 M.2 SATA3
Expansion Slots	1 PCIe 4.0 x16 LP slot(s) 1 PCIe 4.0 x8 MLP slot(s)
On-Board Devices	SATA: SATA (6Gbps) via Intel® C256; RAID 0, 1, 5, 10 support Chipset: Intel® C256 Network Connectivity: No NIC option supported IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	SATA: 2 SATA3 (6Gbps) port(s) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 KVM)



System Cooling	4x 8cm heavy duty fan(s)
Power Supply	2000W Titanium Redundant 1U Power Supplies with PMBus Dimension (W x H x L): 76 x 40 x 360 mm Output Type: 27 Pairs Gold Finger Connector
System BIOS	BIOS Type: AMI 128MB SPI Flash EEPROM
Management	IPMI 2.0; SuperDoctor® 5; Watch Dog; KVM with dedicated LAN; SPM; SUM; Intel Node Manager; SSM
PC Health Monitoring	Temperature: Monitoring for CPU and chassis environment CPU: Monitors for CPU Cores, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages. 3-Phase-switching voltage regulator with auto-sense from 0.5V-2.3V FAN: Cooling zone
Dimensions and Weight	Height: 5.21" (132 mm) Width: 17.26" (438 mm) Depth: 23.2" (589 mm) Gross Weight: 88 lbs (39.92 kg) Net Weight: 62.2 lbs (28.21 kg) Packaging: 11.65" (H) x 26.26" (W) x 34" (D) Available Color: Black
Operating Environment	ROHS: RoHS Compliant Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	Super X12STD-F
Chassis	CSE-938NH-R2K04BP2

Parts List

Standard Parts (Parts Included)

Motherboard / Chassis

Part Number	MBD-X12STD-F	CSE-938NH-R2K04BP2
Qty	8	1
Description	Super X12STD-F Motherboard	3U Chassis

Add-on Card / Module

Part Number	AOC-CGP-I2-P	AOM-BPN-938NH-P	AOM-LAN-MC8-P	AOM-PDB-PT938-LSG-P	AOM-PDB-PT938-RSG-P
Qty	8	1	1	1	1
Description	MicroLP 2-port GbE RJ45, Intel i350	AOM-BPN-938NH, Backplane module for 8-node Microcloud system	AOM-LAN-MC8, LAN front panel module for 8-node Microcloud sy	AOM-PDB-PT938-LSG, PDB module for 8-node Microcloud system,H	AOM-PDB-PT938-RSG, PDB module for 8-node Microcloud system,H

Cable

Part Number	CBL-0218L CBL-CDAT-0662	CBL-PWCD-0578-1	CBL-PWCD-0578-IS	CBL-0355L	CBL-0458L
Qty	1 1	2	2	2	1
Description	11.5CM KVM/SUVI 36PIN TO 9PIN/15PIN/2USB 8 Pin to 8 Pin Round SGPIO Cable, 61.5cm, 28AWG, Pinout 1-1	PWCD,US,IEC60320 C14 TO C13,3FT,14AWG,RoHS	PWCD,US,IEC60320 C14 TO C13,910mm,14AWG,15A,250V,Black, RoHS	RJ45 C5E 2ft Green With Cover	20 cm 30 pin to 30 pin Front control cable with tube. 28AWG

Riser Card

Part Number	RSC-S-6G4
Qty	8
Description	1U LHS Standard riser card with one PCIe 4.0 x16 slot,HF,Ro

Software

Part Number	SFT-OOB-LIC
Qty	8
Description	License key for enabling OOB BIOS management

Heatsink / Retention

Part Number	SNK-P1041V
Qty	8
Description	1U Prop. Passive CPU HS for 6U 10-blade SuperBlade Series

Fan

Part Number	FAN-0213L4	FAN-0194L4
Qty	4	4
Description	80x80x38 mm, 14.4K RPM Cooling Fan for 3U8N Microcloud Serie	80x80x38 mm, 13.5K RPM Cooling Fan for 3U8N Microcloud Serie

* Power Supply

Part Number	PWS-2K04A-1R
Qty	2
Description	AC-DC 2000W, Titanium Level, Redundancy, 1U, PMBus 1.2, +12V/+5Vsb, 360x76x40mm,HF,RoHS/REACH

* Drive Tray(s)

Part Number	MCP-220-00094-0B
Qty	16
Description	Black gen 6.5 hot-swap 3.5 inch HDD Tray

* Control Board

Part Number	MCP-280-93801-0B
Qty	1
Description	Control panel module

* Rail Set

Part Number	MCP-290-00057-0N
Qty	1

Description Rail set, quick/quick, default for 4U 17.2" W

*** Air Shroud**
 Part Number MCP-310-93805-0B
 Qty 16
 Description Mylar air shroud for 2-DIMMs (quick install on DIMM latch)

Notes:

1. Parts with * are inside the chassis
2. Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.

Optional Parts List

Cable
 Part Number CBL-SAST-1230T4S1-100 CBL-SAST-0616 •@Store
 Qty - -
 Description For AOC-S3908L-H8iR-16DD For AOC-S3008L-L8i/AOC-SAS3-9361-4I

Drive Tray(s)
 Part Number MCP-220-00158-0B •@Store MCP-220-93801-0B •@Store
 Qty - -
 Description Black gen 6.5 hot-swap 3.5-to-2.5 Tool-less drive tray Black gen 6 hot-swap 3.5-to-2.5 HDD tray

Global Services & Support
 Part Number OSNBD3/2/1 OS4HR3/2/1
 Qty - -
 Description 3/2/1-year onsite NBD service 3/2/1-year onsite 24x7x4 service

Network Card(s)

Part Number	AOC-S40G-i2Q	AOC-STGN-i2S	AOC-CTG-i2S	AOC-STGN-i1S	AOC-CTG-B2T
	AOC-CTG-i1S	AOC-STG-i2T	AOC-CTGS-i2T	AOC-STG-i2	AOC-SGP-i4
	AOC-SGP-i2				
Qty	-	-	-	-	-
	-	-	-	-	-
	-				
Description	Standard LP 2-port 40GbE controller, Intel Fortville XL710 MicroLP, 1 x 10GbE SFP+, PCIe 2.0 x8, Intel® 82599EN Standard LP, 2x GbE RJ45, PCIe x4, Intel i350AM2	Standard LP, 2x 10GbE SFP+, PCIe x8, Intel 82599ES Standard LP, 2x 10GbE RJ45, PCIe x8, Intel X540	MicroLP, 2 x 10GbE SFP+, PCIe 2.0 x8, Intel® 82599EN MicroLP, 2x 10GbE Base-T, PCIe 3.0 x4, Intel® X550	Standard LP, 1x 10GbE SFP+, PCIe x8, Intel 82599EN Standard LP, 2x 10GbE CX4, PCIe x8, Intel 82598EB	MicroLP 2-port 10G RJ45, based on Broadcom BCM57416. RoHS Standard LP, 4x GbE RJ45, PCIe Intel i350

Software
 Part Number SFT-DCMS-Single
 Qty 1
 Description DataCenter Management Package (per node license)

Storage Controller Card(s)

Part Number	<u>AOC-S3908L-H8iR-16DD</u>	AOC-SAS3-9361-4I	AOC-S3008L-L8i
Qty	-	-	-
Description	8 int 12Gb/s ports, x8 Gen4, ROC - LP, 16 HDD w/ exp, RoHS	Std LP, 4 ports, 12Gb/s Gen3, RAID 0/1/5/6/10/50/60	Std LP, 8 ports, 12Gb/s Gen3, RAID 0/1/10