

UP SuperServer SYS-510T-WTR

1U UP WIO with 4 hot-swap 3.5" drive bays and 2 PCIe 4.0 slots



More details here

Key Applications

Virtualization, Cloud Computing, Enterprise Server, Data Center Optimized,

Key Features

- Single Socket H5 (LGA-1200) supports Intel® Xeon® E-2300 series, Intel® Pentium® processors;
- 4 DIMMs; Up to 128GB of DDR4 ECC UDIMM memory with speeds of up to 3200MHz;
- 1 PCIe 4.0 x16 or 2 PCIe 4.0 x8 (FHFL); 1 PCIe 3.0 x4 (in x8 LP);
- Intel® Ethernet Controller X550 2x 10GbE RJ45;
- Redundant Platinum 500W Power Supply;



Form Factor	<p>1U Rackmount</p> <p>Enclosure: 437 x 43 x 650mm (17.2" x 1.7" x 25.6")</p> <p>Package: 596.9 x 215.9 x 855.98mm (23.5" x 8.5" x 33.7")</p>
Processor	<p>Single Socket H5 (LGA-1200)</p> <p>Intel® Xeon® E-2300 series Processors and 10th Gen. Pentium® Processors</p> <p>Up to 8C/16T; Up to 16MB Cache</p>
GPU	<p>Max GPU Count: Up to 1 double-width or 1 single-width GPU</p> <p>Supported GPU: NVIDIA PCIe: T4, RTX A2000</p> <p>CPU-GPU Interconnect: PCIe 4.0 x16 CPU-to-GPU Interconnect</p>
System Memory	<p>Slot Count: 4 DIMM slots</p> <p>Max Memory (2DPC): Up to 128GB 3200MT/s ECC DDR4 UDIMM</p>
Drive Bays Configuration	<p>Default: Total 4 bays</p> <ul style="list-style-type: none"> • 4 front hot-swap 3.5" SAS*/SATA drive bays <p>(*SAS support may require additional storage controller and/or cables)</p> <p>M.2: 2 M.2 PCIe 4.0 x4 NVMe slots (M-key 2280/22110)</p> <p>Peripheral Bays: 2 2.5" bays</p>
Expansion Slots	<p>Default</p> <ul style="list-style-type: none"> • 2 PCIe 4.0 x8 FHFL slots • 1 PCIe 3.0 x4 (in x8) LP slot <p>Option A</p> <ul style="list-style-type: none"> • 1 PCIe 4.0 x16 FHFL slot • 1 PCIe 3.0 x4 (in x8) LP slot
On-Board Devices	<p>SATA: SATA (6Gbps) ; RAID 0/1/5/10 support</p> <p>Chipset: Intel® C256</p> <p>Network Connectivity: 2 RJ45 10GbE with Intel® X550</p>
Input / Output	<p>LAN: 2 RJ45 10 GbE LAN ports</p> <p>1 RJ45 1 GbE Dedicated BMC LAN port (IPMI shared on LAN port 1)</p> <p>USB: 4 USB 2.0 ports(header)</p> <p>2 USB 3.2 Gen1 Type-A ports(rear)</p> <p>2 USB 2.0 Type-A ports(rear)</p> <p>2 USB 3.2 Gen1 ports(Header)</p> <p>1 USB 3.2 Gen2 Type-A port(Header)</p> <p>Video: 1 VGA port</p> <p>Serial: 1 COM port(Rear)</p> <p>1 COM port(Header)</p> <p>DOM: 2 SuperDOM (Disk on Module) portswith built-in power</p> <p>TPM: 1 TPM header</p>



System Cooling	Fans: Up to 4 counter-rotation PWM 40x40x56mm Fan(s) Up to 2 AOC cooling Fan(s) (optional) Air Shroud: 1 Air Shroud
Power Supply	2x 500W Redundant (1 + 1) Platinum Level (94%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperCloud Composer®; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 6 + 2 + 1 Phase-switching voltage regulator FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
Dimensions and Weight	Weight: Gross Weight: 48 lbs (21.77 kg) Net Weight: 24 lbs (10.89 kg) Available Color: Black
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 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	<u>Super X12STW-TF</u>
Chassis	<u>CSE-815TS-R504WBP7</u>

Parts List

Standard Parts (Parts Included)

Motherboard / Chassis

Part Number	MBD-X12STW-TF	CSE-815TS-R504WBP7
Qty	1	1
Description	Super X12STW-TF Motherboard	1U Chassis

Backplane

Part Number	BPN-SAS3-815TQ-N4
Qty	1
Description	1U 4-Port Hybrid Backplane Support 4x3.5"SAS3/SATA3/NVMe

Cable

Part Number	CBL-SAST-0699	CBL-0335L
Qty	1	1
Description	MINI SAS HD-4 SATA,12G,INT,75/75/90/90CM,750MBPS	FRONT CTL CABLE 20 PIN TO 20PIN W/TUBE,70CM,PBF SB,28/30AWG,Ro

Manual

Part Number	MNL-2422-QRG
Qty	1
Description	510T-WTR Quick Reference Guide

Riser Card

Part Number	RSC-R1UW-E8R	RSC-W-68G4
Qty	1	1
Description	1U RHS WIO Riser card with one PCIe x8 slot	1U LHS WIO Riser card with one PCIe4.0X16 and onePCI-E4

Software

Part Number	SFT-OOB-LIC
Qty	1
Description	License key for enabling OOB BIOS management

Heatsink / Retention

Part Number	SNK-P0049P
Qty	1
Description	1U Passive Enhanced Performance CPU Heat Sink for Intel Socket H Series Processors

*Power Supply

Part Number	PWS-504P-1R2	MCP-250-81502-0N
Qty	2	1
Description	1U Redundant 500W/600W, Platinum efficiency, AC inlet: C14,RoHS	SC815 Redundant Power Distributor Cover

*Power Distributor

Part Number	PDB-PT112-S2424
Qty	1
Description	WIO X11 Support,PDB-PT112-S2424 is based on PDB-PT112-2424

*Fan Holder

Part Number	CSE-PT0135	MCP-340-00035-0B
Qty	1	2
Description	FAN HOLDER FOR SIX 40X56MM COUNTER ROTATING FANS	Dummy fan 40x56mm for 40x56 counter-rotating fan (cost-effective)

*Peripheral Drive

Part Number	CSE-PT93L-B
Qty	1
Description	Black DVD dummy cover for SC813, 813M, 815, PBF-RoHS

*Front Panel

Part Number	FPB-FP815U
Qty	1

Description	815 UIO front control board (U)	
*Parts		
Part Number	MCP-120-00030-0N	MCP-120-00053-0N
Qty	1	2
Description	Blank LP L-bracket (1 row of capsule hole)	Blank FH L bracket w/o SCSI cutout for SC825,836,846,743
*Drive Tray(s)		
Part Number	MCP-220-00075-0B	
Qty	4	
Description	Black gen 5.5 hot-swap 3.5" HDD tray	
*Rear Window		
Part Number	MCP-240-00098-0N	
Qty	1	
Description	WIO rear window for SC113,SC116, SC815 Redundant PWS	
*Rail Set		
Part Number	MCP-290-00016-0N	MCP-290-00054-0N
Qty	1	1set
Description	1U open rack bracket set for CSE-PT51L,MCP-290-00054-0N	Rail set, quick/quick, optional for 1U 17.2
*Air Shroud		
Part Number	MCP-310-19002-0N	
Qty	1	
Description	SC815/113/116 Intel DP X9, X8 PC air shroud, 12x13MB	
*Fan		
Part Number	FAN-0156L4 OR	FAN-0086L4
Qty	4	-
Description	40x40x56 mm 13K-11K RPM Counter-rotating Fan,RoHS/REACH	40x56 4Pin PWM, Primary for SC815, Secondary for SC818, 825M

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

3.5" to 2.5" Converter Tray(s)

Part Number	MCP-220-00043-0N
Qty	-
Description	Hot-swap Gen-4 3.5" to 2.5" HDD tray, Black

CacheVault				
Part Number	BTR-CV3916-1U1 (For S3908)	BTR-CVPM05 + MCP-240-00203-0N (For S3908)	BTR-TFM8G-LSICVM02 + MCP-240-00203-0N (For S3108)	BTR-CV3108-1U1 (For S3108)
Qty	1	1	1	1
Description	CacheVault for Broadcom 3908 with SuperCap mounting in 1U 40x56 fan tray	CacheVault for Broadcom 3908 with SuperCap mounting bracket for PCIe location	CacheVault for Broadcom 3108 with SuperCap mounting bracket for PCIe location	CacheVault for Broadcom 3108 with SuperCap mounting in 1U 40x56 fan tray

Cooling Fan	
Part Number	FAN-0156L4
Qty	1
Description	40x40x56 mm, 13K RPM / 11K RPM, Counter-rotating Fan

DVD-ROM / DVD-RW		
Part Number	DVM-TEAC-DVDRW-SBT5	DVM-TEAC-DVD-SBT5
Qty	1	1
Description	PHILIPS slim DVD-RW SATA drive	TEAC slim DVD-ROM SATA drive

DVD-ROM Accessory	
Part Number	MCP-220-81502-0N + 1pc CBL-0099 (max 1pc)
Qty	1
Description	Slim SATA DVD mounting kit

Front Bezel

Part Number	CSE-PTFB-813LB	CSE-PTFB-813-02B
Qty	1	1
Description	Black Front Bezel	Black Front Bezel w/ Round Venting Holes

Hot-swap 2.5" kit (DVD slot)	
Part Number	MCP-220-81506-0N + 1pc CBL-0099 (max 1pc)
Qty	1
Description	Single 2.5" SAS3 (12Gb/s) hot swap in slim DVD form factor

Hot-swap 2.5" kit (FDD slot)	
Part Number	MCP-220-81504-0N
Qty	1
Description	Single 2.5" SAS3 (12Gb/s) hot swap in slim FDD form factor

Inlet Thermal Sensor	
Part Number	MCP-280-00034-0N
Qty	1
Description	Universal Thermal sensor kit with 40cm I2C cable

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

Storage Control Card and Cable(s)			
Part Number	AOC-S3908L-H8iR-16DD + 1x CBL-SAST-1275A-100	<u>AOC-S3108L-H8iR-16DD</u> <u>AOC-S3008L-L8I</u> (<u>/products/accessories/addon/AOC-S3108L-H8iR.php</u>), (<u>/products/accessories/addon/AOC-S3008L-L8i.php</u>).	
Qty	1	1	1
Description	Standard LP, 8 internal ports (12Gb/s) PCIe 4.0 x8, 16HDD; RAID 0, 1, 5, 6, 10, 50, 60	Standard LP, 8 Internal ports (12Gb/s) PCIe 3.0 x8, 16HDD; RAID 0, 1, 5, 6, 10, 50, 60	Standard LP, 8 internal ports (12Gb/s) PCIe 3.0 x8, 63HDD; RAID 0, 1, 10

Storage Control Card and Cable(s) (HBA)		
Part Number	<u>AOC-S3808L-L8iT</u> <u>AOC-S3808L-L8iT.php</u>) + 1x CBL-SAST-1275A-100	<u>AOC-S3008L-L8E</u> <u>AOC-S3008L-L8E.php</u>).
Qty	1	1
Description	Standard LP, 8 internal ports (12Gb/s) PCIe 4.0 x8, 122HDD; HBA	Standard LP, 8 internal ports (12Gb/s) PCIe 3.0 x8, 122HDD; HBA

TPM	
Part Number	AOM-TPM-9670V-O
Qty	1
Description	TPM 2.0, vertical form factor
Part Number	AOM-TPM-9671V-O
Qty	1
Description	TPM 1.2, vertical form factor

Bestimmte Produkte sind möglicherweise in Ihrer Region nicht erhältlich.