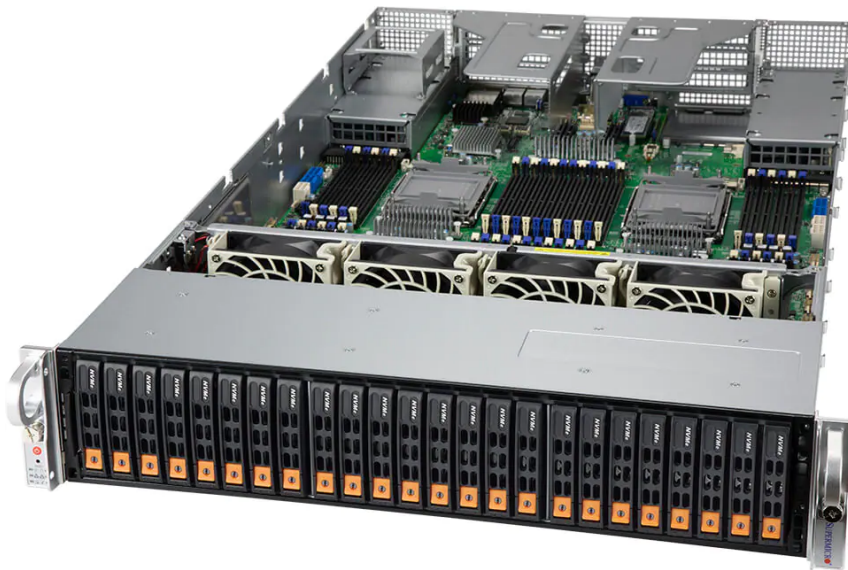


MP SuperServer SYS-240P-TNRT (Complete System Only)

NEW

Key Applications

- Artificial Intelligence (AI)
- Business Intelligence
- ERP, CRM
- Scientific Virtualization
- In-Memory Database
- HCI
- SAP HANA

Key Features

1. Quad Socket P+ (LGA-4189) 3rd Generation Intel® Xeon® Scalable processors
2. 48 DIMMs; Up to 18TB 3DS ECC DDR4-3200:LRDIMM/RDIMM/Intel® DCPMM
3. Intel® Ethernet Controller X710-TM4 2x 10G RJ45 + 2x 10G SFP+ port; (optional) AIOM up to 100G QSFP28
4. Up to 24 Hot-swap 2.5" NVMe/SAS3/SATA3 drive bays (Default with 8 SAS3/SATA3 drive bays); Onboard 2x M.2 SATA.
5. 4 heavy duty fans w/ optimal fan speed control; 1 Air Shroud

Specifications

Product SKUs

- | | |
|----------------------|---|
| SYS-240P-TNRT | <ul style="list-style-type: none"> SuperServer SYS-240P-TNRT (Black) |
|----------------------|---|

Motherboard

Super X12QCH+

Processor

- | | |
|------------|---|
| CPU | <ul style="list-style-type: none"> Quad Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors 6 UPI up to 10.4GT/s Support CPU TDP 120-250W |
|------------|---|

- | | |
|--------------|---|
| Cores | <ul style="list-style-type: none"> Up to 28C/56T; Up to 38.5MB Cache |
|--------------|---|

System Memory

- | | |
|---------------|---|
| Memory | <ul style="list-style-type: none"> Memory Capacity: 48 DIMM slots Up to 12TB: DRAM Up to 18TB: PMem Memory Type: 3200MHz ECC DDR4 LRDIMM/RDIMM Intel® Optane™ persistent memory 200 series |
|---------------|---|

On-Board Devices

- | | |
|-----------------------------|--|
| Chipset | <ul style="list-style-type: none"> Intel® C621 |
| Network Connectivity | <ul style="list-style-type: none"> 2x 10GbE BaseT + 2x 10GbE SFP+ with Intel® X710-TM4 (Optional) AIOM 100G QSFP 28 No NIC option supported |
| IPMI | <ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support |

Input / Output

- | | |
|--------------|---|
| Video | <ul style="list-style-type: none"> 1 VGA port(s) |
|--------------|---|

System BIOS

- | | |
|------------------|--|
| BIOS Type | <ul style="list-style-type: none"> AMI 128MB SPI Flash EEPROM |
|------------------|--|

Management

- | | |
|-----------------------------|---|
| Software | <ul style="list-style-type: none"> <u>IPMI 2.0</u> <u>SUM</u> NMI Watch Dog SuperDoctor® 5 |
| Power Configurations | <ul style="list-style-type: none"> ACPI Power Management Power-on mode for AC power recovery |

PC Health Monitoring

Chassis

- | | |
|--------------------|--|
| Form Factor | <ul style="list-style-type: none"> 2U Rackmount |
| Model | <ul style="list-style-type: none"> CSE-218HTS-R2K08P |

Dimensions and Weight

- | | |
|------------------------|--|
| Height | <ul style="list-style-type: none"> 3.5" (89mm) |
| Width | <ul style="list-style-type: none"> 17.3" (439.5mm) |
| Depth | <ul style="list-style-type: none"> 31.6" (803mm) |
| Package | <ul style="list-style-type: none"> 9.75" (H) x 26.5" (W) x 43.5" (D) |
| Weight | <ul style="list-style-type: none"> Net Weight: 45.5 lbs (20.64 kg) Gross Weight: 71.5 lbs (32.43 kg) |
| Available Color | <ul style="list-style-type: none"> Black |

Front Panel

- | | |
|----------------|---|
| Buttons | <ul style="list-style-type: none"> Power On/Off System Reset |
| LEDs | <ul style="list-style-type: none"> HDD activity Network activity Power status System information (overheat/UID) |

Expansion Slots

- | | |
|----------------------------|---|
| PCI-Express (PCI-E) | <ul style="list-style-type: none"> Slot 1: PCI-E 3.0 x16 FHHL Slot 2: PCI-E 3.0 x8 FHFL Slot 3: PCI-E 3.0 x16 FHFL Slot 4: PCI-E 3.0 x16 FHHL Slot 5: PCI-E 3.0 x16 FHFL Slot 6: PCI-E 3.0 x8 FHFL Slot 7: PCI-E 3.0 x8 LP (Optional) Slot 8: PCI-E 3.0 x8 LP (Optional) Slot 9: PCI-E 3.0 x8 LP (Optional) Slot 10: PCI-E 3.0 x8 LP (Optional) |
|----------------------------|---|

Drive Bays / Storage

- | | |
|-----------------|---|
| Hot-swap | <ul style="list-style-type: none"> 24x 2.5" hot-swap NVMe/SAS3/SATA3 drive bays (24x 2.5" NVMe hybrid) |
| M.2 | <ul style="list-style-type: none"> 2 M.2 NVMe OR 2 M.2 SATA3 |



System Cooling

- | | |
|-------------------|---|
| Fans | <ul style="list-style-type: none"> 4x 8cm heavy duty fans with optimal fan speed control |
| Air Shroud | <ul style="list-style-type: none"> 1 Air Shroud(s) |

Power Supply

- | | |
|---|--|
| 2000W Redundant Power Supplies with PMBus | |
| Dimension (W x H x L) | <ul style="list-style-type: none"> 73.5 x 40 x 203 mm |

CPU	<ul style="list-style-type: none"> 4+1 Phase-switching voltage regulator Monitors for CPU Cores, Chipset Voltages, Memory
FAN	<ul style="list-style-type: none"> Fans with tachometer monitoring Pulse Width Modulated (PWM) fan connectors Status monitor for speed control
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment Thermal Control for fan connectors

AC Input	<ul style="list-style-type: none"> 1000W: 100-127Vac / 50-60Hz 1800W: 200-220Vac / 50-60Hz 1980W: 220-230Vac / 50-60Hz 2000W: 220-240Vac / 50-60Hz 2000W: 230-240Vac / 50-60Hz 2000W: 230-240Vdc (For CCC Only)
+12V	<ul style="list-style-type: none"> Max: 83A / Min: 0A (100Vac-127Vac) Max: 150A / Min: 0A (200Vac-220Vac) Max: 165A / Min: 0A (220Vac-230Vac) Max: 166A / Min: 0A (230Vac-240Vac)
12V SB	<ul style="list-style-type: none"> Max: 3.5A / Min: 0A
Output Type	<ul style="list-style-type: none"> 25 Pairs Gold Finger Connector
Certification	  Titanium Level [Test Report]

Operating Environment

RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (Non-Condensing) Non-operating Relative Humidity: 5% to 95% (Non-Condensing)

Список деталей

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X12QCH+	1	Super X12QCH+ Motherboard
	CSE-218HTS-R2K08P	1	2U Chassis
Backplane	BPN-NVME4-216N-S24	1	2U 24-slot all-hybrid direct-attached backplane, support 24x 2.5
Cable 1	CBL-PWEX-0925	3	2x4,P3.0 to 2x4,P4.2,YL/RED,9.5A,55cm,16AWG,RoHS
Cable 2	CBL-SAST-1048	1	SLIMLINE SAS x8 to SLIMLINE SAS x8, INT, 10CM,32AWG,85
Cable 3	CBL-SAST-1208LP-85	4	SlimlineLP x8 (STR) to SlimlineLP x8 (STR),8CM,85 OHM,Ro
Cable 4	CBL-SAST-1235-85	1	Slimline x8 (STR) to Slimline x8 (STR),INT,35CM,85 OHM
Cable 5	CBL-SAST-1286-100	2	Slimline x4 (STR) to Slimline x4 (STR),INT,85CM,100 OHM,
Drive Tray(s)	MCP-220-00147-0B	8	Black gen-3 hot-swap 2.5"; Tool-less HDD tray (clip design)
Drive Tray(s)	MCP-290-21301-0B	2	Black 2.5" HDD dummy cover for SC213,216 (Cover 8 HDD)
Air Shroud	MCP-310-21812-0B	1	PSU air shroud for 218H,RoHS
Riser Card	RSC-D2-668G4	1	2U LHS DCO Riser card with two PCI-E 4.0 x16 and one PCI-E
Riser Card	RSC-D2R-668G4	1	2U RHS DCO Riser card with two PCI-E 4.0 x16 and one PCI-E
Software	SFT-OOB-LIC	1	License key for enabling OOB BIOS management
Heatsink / Retention	SNK-P0078PW	4	2U Passive Wide CPU Heatsink (92x113x65mm) for X12 ICX/CPX CPU, Heatpipe
*Power Supply	PWS-2K08A-1R	2	1U 2000W 100-240VAC Titanium Ultra power supply 73.5x40x203mm
*Cable 6	CBL-CDAT-0676-66	1	[NR] FRONT CNTL,20 TO 20 PIN,PH0.5, FFC,FLAT,66CM,STD
*Cable 7	CBL-PWCD-0160-IS	2	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH
*FAN 1	FAN-0217L4	4	80x80x38 mm, 16.5K RPM, Hot-swappable Cooling Fan for SC218H
*Rail Set	MCP-290-00057-0N	1	Rail set, quick/quick, default for 4U 17.2" W
*Rail Set	MCP-290-00060-0N	1	Threaded rail adapter default for round hole rack
*Front Panel	FPB-FP826-T	1	Chassis front control board for SC826
*Rail Set	MCP-290-00115-0N	1	Inner rail, quick-release type
*Rail Set	MCP-290-00117-0N	1	Outer rail, quick-release type

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.