

SuperServer 5019P-MTR



Key Features

- **Web Hosting, VM**
- **Application and Data Serving**
- **Database Applications**

1. Single socket P (LGA 3647) supports Intel® Xeon® Scalable Processors
2. Intel® C622 chipset
3. 4 Hot-swap 3.5" SATA3 bays w/ RAID
4. Up to 1TB ECC 3DS LRDIMM, up to DDR4-2666MHz; 8 DIMM slots
5. 1 PCI-E 3.0 x16 slot
6. 2x 10GBase-T ports with Intel X772 + X557
7. Integrated IPMI 2.0 and KVM with Dedicated LAN
8. 1 VGA, 2 COM, 4 USB 3.0, 2 USB 2.0
9. 400W Redundant Platinum Power Supplies w/ BBP® option

- [▶ Drivers & Utilities](#)
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Note: Image above may show a varied configuration or optional parts, Please refer to parts list for standard parts included.

Specifications

Product SKUs

- SYS-5019P-MTR ■ SuperServer 5019P-MTR (Black)

Motherboard

Super X11SPi-TF

Processor/Cache

- CPU ■ Single Socket P (LGA 3647)
 ■ Intel® Xeon® Scalable Processors
 ■ Support CPU TDP 70-205W
- Cores ■ Up to 28 Cores with Intel® HT Technology

System Memory

- Memory Capacity ■ 8 DIMM slots
 ■ Up to 1TB ECC 3DS LRDIMM, 256GB ECC RDIMM, DDR4 up to 2666MHz
- Memory Type ■ 2666/2400/2133MHz ECC DDR4 SDRAM

On-Board Devices

- Chipset ■ Intel® C622 chipset
- SATA ■ SATA3 (6Gbps) via C622 controller

Chassis

- Form Factor ■ 1U Rackmount
- Model ■ CSE-813MFTQC-R407CB

Dimensions and Weight

- Height ■ 1.7" (43mm)
- Width ■ 17.2" (437mm)
- Depth ■ 19.8" (503mm)
- Package ■ 8.5" (H) x 24" (W) x 29.5" (D)
- Weight ■ Gross Weight: 30.4 lbs (13.8 kg)
 ■ Net Weight: 17.6 lbs (8 kg)
- Available Colors ■ Black

Front Panel

- Buttons ■ Power On/Off button
 ■ System Reset button
- LEDs ■ Power LED
 ■ Hard drive activity LED
 ■ Network activity LEDs
 ■ System Overheat LED

Expansion Slots

Network Controllers	<ul style="list-style-type: none"> RAID 0, 1, 5, 10 support
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
Video	<ul style="list-style-type: none"> ASPEED AST2500 BMC
Input / Output	
SATA	<ul style="list-style-type: none"> 4 SATA3 (6Gbps) ports
LAN	<ul style="list-style-type: none"> 2 RJ45 10GBase-T LAN ports 1 RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 4 USB 3.0 ports (2 front, 2 rear) 2 USB 2.0 ports (rear)
Video	<ul style="list-style-type: none"> 1 VGA port
Serial Port / Header	<ul style="list-style-type: none"> 2 COM ports (1 rear, 1 header)
SuperDOM	<ul style="list-style-type: none"> 2 SuperDOM (Disk on Module) ports with built-in power
System BIOS	
BIOS Type	<ul style="list-style-type: none"> AMI 32Mb SPI Flash ROM
Management	
Software	<ul style="list-style-type: none"> Intel® Node Manager IPMI 2.0 KVM with dedicated LAN NMI SPM, SUM SuperDoctor® 5 Watch Dog
Power Configurations	<ul style="list-style-type: none"> ACPI Power Management
PC Health Monitoring	
CPU	<ul style="list-style-type: none"> Monitors for CPU Cores, Chipset Voltages, Memory. 4+1 Phase-switching voltage regulator
FAN	<ul style="list-style-type: none"> Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment Thermal Control for fan connectors

PCI-Express	<ul style="list-style-type: none"> 1 PCI-E 3.0 x16 slot
Drive Bays	
Hot-swap	<ul style="list-style-type: none"> 4 Hot-swap 3.5" SATA3 drive bays
M.2	<ul style="list-style-type: none"> M.2 mini-PCI-e support
Peripheral Drives	
Optional	<ul style="list-style-type: none"> Optional slim optical device bay, optional FDD/USB bay
System Cooling	
Fans	<ul style="list-style-type: none"> 4x 40mm mid-fans
AC/DC240V Input Redundant Power Supplies	
400W 1U Redundant Power Supplies with PMbus	
Total Output Power	<ul style="list-style-type: none"> 400W
Dimension (W x H x L)	<ul style="list-style-type: none"> 54.5 x 40 x 220 mm
Input	<ul style="list-style-type: none"> 100 - 240Vac / 6.0 - 3.0A / 50-60Hz 200 - 240Vdc / 3.4 - 3.2A (CCC Only)
+12V	<ul style="list-style-type: none"> Max: 33A / Min: 0.5A
+5V sb	<ul style="list-style-type: none"> Max: 3A / Min: 0A
Output Type	<ul style="list-style-type: none"> Gold Finger Connector Mating with Molex 45984-4343
Certification	 <ul style="list-style-type: none"> UL/cUL/CB/CE/BSMI/CCC Platinum Level Certified [Test Report]
Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> 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)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SPi-TF	1	Super X11SPi-TF Motherboard
	CSE-813MFTQC-R407CB	1	1U Chassis
Backplane	BPN-SAS3-815TQ	1	1U 4-Port 12Gbps Backplane Support 4x3.5" SAS3/SATA3 HDD/SSD
Cable 1	CBL-0186L	1	SATA,INT,ROUND,SET OF 4,ST-RA 56/45.5/35/23CM,26AWG
Cable 2	CBL-CDAT-0661	1	CBL,SGPIO,2X4F TO 2X4F,P2.54,ROUND CABLE,40CM,28AWG
Parts	MCP-120-00031-0N	1	Riser card bracket for SC812,813,813M,815,111,113,113M
Drive Tray(s)	MCP-220-00129-0B	1	Black 2x USB3.0/COM port tray in slim FDD bay
Air Shroud	MCP-310-19007-0N	1	SC811/SC512L/SC512F/SC813M/SC113M/SC513L-410B/SC513L-420B/SC513F, UP X9SRE/I, X9 Mylar Air Shroud, 12"x9.6" MB

Manual	MNL-1920-QRG	1	5019P-MT/MTR, QRG,HF,RoHS/REACH
Riser Card	RSC-RR1U-E16	1	RSC-RR1U-E16 with PIC-E x16 output
Heatsink / Retention	SNK-P0067PS	1	1U Passive CPU Heat Sink for X11 Purley Platform Equipped with a Narrow Retention Mechanism
Power Supply	PWS-407P-1R	2	AC and DC 240V Input, 400W, Platinum Level, Redundancy power supply meet PMBus Revision 1.2 requirement,RoHS/REACH
FAN 1	FAN-0154L4	4	40x40x28 mm, 22.5K RPM, SC813MF Middle Cooling Fan,RoHS/REACH