

Supermicro SuperServer SYS-5019P-MTR 1U UP 4xLFF 2x10GbE RED PSU

Part number: SYS-5019P-MTR



Category	Web Hosting, VM Application and Data Serving
Order option	Barebone
Chassis Form Factor	Rack 1U
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets	1
Supported CPU's	Intel Xeon Scalable 2nd Gen Intel Xeon Scalable 1st Gen
Max CPU TDP	205 W
Chipset	C622
Memory Type	DDR4 ECC RDIMM DDR4 ECC LRDIMM
Memory Speed	2933 MHz 2666 MHz 2400 MHz 2133 MHz
# of DIMM's	8
Max Memory Size	2 TB
Integrated GPU	ASPEED AST2500
# of 3.5 hot-swap bays	4
# of PCIe x16 3.0	1
# of USB Ports	5 x USB 3.0 6 x USB 2.0
Storage interface	Native SATA
# of SATA DOM power	2
Storage Controllers	Intel C622
Integrated RAID	0 1 5 10
# of M.2 22110	1
# of Serial Ports	1 x Fast UART 16550 (header) 1 x Fast UART 16550 (rear)
# of 10GbE Ports	2 x RJ45
Network Controllers	Intel X722 + X557
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2500
TPM	1 x TPM 2.0 10-pin Header
Power Supply	Redundant
PSU Wattage	400 W
PSU Certification	80+ Platinum

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, RAID 0, 1, 5, 10 support
Network Controllers: Dual 10GBase-T LAN with Intel® X772 + X557
IPMI: Support for Intelligent Platform Management Interface v.2.0, IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Video: ASPEED AST2500 BMC

Input / Output

- SATA: 4 SATA3 (6Gbps) ports
LAN: 2 RJ45 10GBase-T LAN ports, 1 RJ45 Dedicated IPMI LAN port
USB: 4 USB 3.0 ports (2 front, 2 rear), 2 USB 2.0 ports (rear)
Video: 1 VGA port
Serial Port / Header: 2 COM ports (1 rear, 1 header)
SuperDOM: 2 SuperDOM (Disk on Module) ports with built-in power

System BIOS

- BIOS Type: AMI 32Mb SPI Flash ROM

Management

- Software: Intel® Node Manager, IPMI 2.0, KVM with dedicated LAN, NMI, SPM, SUM, SuperDoctor® 5, Watch Dog
Power Configurations: ACPI Power Management

PC Health Monitoring

- CPU: Monitors for CPU Cores, Chipset Voltages, Memory, 4+1 Phase-switching voltage regulator
FAN: Fans with tachometer monitoring, Status monitor for speed control, Pulse Width Modulated (PWM) fan connectors, Monitoring for CPU and chassis environment
Temperature: Thermal Control for 8x fan connectors

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

- PCI-Express: 1 PCI-E 3.0 x16 slot

Drive Bays

- Hot-swap: 4 Hot-swap 3.5" SATA3 drive bays
M.2: M.2 mini-PCI-e support

Peripheral Drives

- Optional: Optional slim optical device bay, optional FDD/USB bay

System Cooling

- Fans: 4x 40mm mid-fans

AC/DC240V Input Redundant Power Supplies

- 400W 1U Redundant Power Supplies with PMbus
Total Output Power: 400W
Dimension (W x H x L): 54.5 x 40 x 220 mm
Input: 100 - 240Vac / 6.0 - 3.0A / 50-60Hz, 200 - 240Vdc / 3.4 - 3.2A (CCC Only)
+12V: Max: 33A / Min: 0.5A
+5V sb: Max: 3A / Min: 0A
Output Type: Gold Finger Connector Mating with Molex 45984-4343

Certification: UL/cUL/CB/CE/BSMI/CCC Platinum Level Certified [Test Report]

Operating Environment / Compliance

- RoHS: RoHS Compliant
Environmental Spec.: 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)

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