

SuperServer 5019P-MR



Integrated Board



[./products/motherboard/Xeon/C620/X11SPM-](#)

[F.cfm](#)).

[Super X11SPM-F](#) ([./products/motherboard/Xeon/C620/X11SPM-F.cfm](#)).

Views: | [Angled View](#) ([./a_images/products/views/5019P-MR_angle.jpg](#)) |
| [Top View](#) ([./a_images/products/views/5019P-MR_top.jpg](#)) |
| [Front View](#) ([./a_images/products/views/5019P-MR_front.jpg](#)) | [Rear View](#)
([./a_images/products/views/5019P-MR_rear.jpg](#)) |

Key Applications

- Web Hosting, VM
- Compact Network Appliance

Key Features

1. Single Socket P (LGA 3647) supports 2nd Gen Intel® Xeon® Scalable processor (Cascade Lake/Skylake)[†]
2. 6 DIMMs; up to 1.5TB 3DS ECC DDR4-2933MHz[†] RDIMM/LRDIMM
3. 1 PCI-E 3.0 x16 slot (FH, HL)
4. 4 Hot-swap 3.5" SATA3 bays w/ RAID
5. 2x 1GbE with Marvell® 88E1512
6. Integrated IPMI 2.0 and KVM with Dedicated LAN
7. 1 VGA, 1 COM, 2 USB 3.0, 2 USB 2.0
8. 400W Redundant Platinum Power Supplies w/ BBP® option

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested Memory](#)

[Tested M.2 List](#) ([./en/support/resources/m2ssd?SystemID=86061&ProductName=SS5019P-MR](#)).

[Manuals](#)

[OS Certification Matrix](#) ([./en/support/resources/certification/SYS-5019P-MR](#)).

[Quick-References Guide](#) | [Drive Options](#)

[Network Card \(AOC\) Matrix](#) ([./en/support/resources/aoc/standard?show=SELECT&type=MS](#)).

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

Specifications

Product SKUs

SYS-5019P-MR

SuperServer 5019P-MR (Black)

Motherboard

Super X11SPM-F

(</products/motherboard/Xeon/C620/X11SPM-F.cfm>).

Processor

CPU

Single Socket P (LGA 3647)

2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors[†]

Support CPU TDP 70-165W

Cores

Up to 28 Cores

Note

[†] BIOS version 3.2 or above is required to support 2nd Gen Intel® Xeon® Scalable processors (codenamed Cascade Lake-R).

Extended thermal solutions may be required to support CPUs higher than 165W TDP, please contact Supermicro Technical Support for additional information.

System Memory

Memory Capacity

6 DIMM slots

Up to 1.5TB 3DS ECC DDR4-2933MHz[†] RDIMM/LRDIMM

Memory Type

2933[†]/2666/2400/2133MHz ECC DDR4 RDIMM/LRDIMM

Note

[†] 2933MHz in two DIMMs per channel can be achieved by using memory purchased from Supermicro

On-Board Devices

Chipset

Intel® C621 chipset

SATA

SATA3 (6Gbps) via C621 controller

RAID 0, 1, 5, 10 support

Network Controllers

Dual Gigabit Ethernet LAN with Marvell® 88E1512

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

12 SATA3 (6Gbps) ports

LAN

2 RJ45 1GbE LAN ports

1 RJ45 Dedicated IPMI LAN port

USB

5 USB 3.0 ports (2 rear + 2 headers + 1 Type A)

6 USB 2.0 ports (2 rear + 4 headers)

Video

1 VGA port

Serial Port / Header

2 COM ports (1 rear, 1 header)

Chassis

Form Factor

1U Rackmount

Model

CSE-813MFTQC-R407CB

(</products/chassis/1U/813/SC813MFTQC-R407C.cfm>).

Dimensions and Weight

Height

1.7" (43mm)

Width

17.2" (437mm)

Depth

19.85" (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 Information LED

Expansion Slots

PCI-Express

1 PCI-E 3.0 x16 slot (FH, HL)

M.2

1x M.2 Interface: PCI-E 3.0 x4

Form Factor: 2242, 2280

Key: M-Key

Double Height Connector

Drive Bays

Hot-swap

4 Hot-swap 3.5" SATA3 drive bays

Peripheral Drives

Optional

1 Slim DVD-ROM drive

1 USB + COM port tray

System Cooling

Fans

4x 40x28mm PWM fans

Optional 2 fans for AOC cooling

AC/DC240V Input Redundant Power Supplies

400W 1U Redundant Power Supplies with PMbus

