

SuperServer 5019C-MR



Integrated Board



[./products/motherboard/X11/X11SCM-F.cfm](https://products/motherboard/X11/X11SCM-F.cfm)

Super X11SCM-F ([./products/motherboard/X11/X11SCM-F.cfm](https://products/motherboard/X11/X11SCM-F.cfm))

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

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

[Tested M.2 List \(/en/support/resources/m2ssd?SystemID=86660&ProductName=SS5019C-MR\)](#)

[Manuals](#)

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

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

[Network Card \(AOC\) Matrix \(/en/support/resources/aoc/standard\)](#)

Key Applications

- General Purpose, SMB, Web Hosting
- Application and data serving
- Archiving, Mail/Finance, Security

Key Features

1. Single Socket H4 (LGA 1151) supports Intel® Xeon® processor E-2100 / E-2200 series, 8th/9th Gen. Intel® Core™ i3 Processors, Intel® Celeron®, Intel® Pentium®
2. Intel® C246 chipset
3. Up to 128GB ECC UDIMM, up to DDR4-2666MHz; 4 DIMM slots
4. 1 PCI-E 3.0 x16 slot
5. 4 Hot-swap 3.5" drive bays
6. **M.2 Interface:**
1 SATA/PCI-E 3.0 x4 and 1 PCI-E 3.0 x4
M.2 Form Factor: 2280/22110
M.2 Key: M-Key
7. 2 GbE LAN ports, 1 dedicated IPMI LAN
8. 2 USB 3.1 (rear), 2 USB 2.0 (rear)
9. 1 VGA, 1 COM (header), 1 TPM header
10. 400W High efficiency (96%) Redundant PSU; Platinum Level

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

Specifications

Product SKUs

SYS-5019C-MR

SuperServer 5019C-MR (Black)

Motherboard

Super X11SCM-F

(</products/motherboard/X11/X11SCM-F.cfm>)

Processor

CPU

Single Socket H4 (LGA 1151),
CPU TDP support up to 95W

Support Intel® Xeon® processor E-2100 / E-2200 series, 8th/9th Gen.
Intel® Core™ i3 / Pentium® / Celeron® Processors

Cores

8 cores, 16 threads

Note

BIOS 1.0b or above is required to support Intel® Xeon® processor E-2200 series

System Memory

Memory Capacity

4 DIMM slots

Up to 128GB Unbuffered ECC UDIMM

Up to DDR4-2666MHz

Memory Type

2666/2400/2133MHz ECC DDR4 SDRAM

DIMM Sizes

32GB, 16GB, 8GB, 4GB

On-Board Devices

Chipset

Intel® C246 chipset

SATA

SATA3 (6Gbps) via Intel C246 controller

RAID 0, 1, 5, 10 support

IPMI

ASPEED AST2500

Network Controllers

Dual LAN with Intel® I210-AT

Video

ASPEED AST2500 BMC

Input / Output

SATA

6 SATA3 (6Gbps) ports; RAID 0, 1, 5, 10

LAN

2 RJ45 Gigabit Ethernet LAN ports

1 RJ45 Dedicated IPMI LAN port

USB

2 USB 3.1 ports (rear)

2 USB 2.0 ports (rear)

Video

1 VGA port

Serial Port / Header

1 COM port (header)

TPM

1 TPM 2.0 Header

System BIOS

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 23.4" (W) x 29.7" (D)

Weight

Gross Weight: 34 lbs (15.42 kg)

Net Weight: 21 lbs (9.53 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

M.2

M.2 Interface:

1 SATA/PCI-E 3.0 x4 and 1 PCI-E 3.0 x4

M.2 Form Factor: 2280/22110

M.2 Key: M-Key

Drive Bays

Hot-swap

4 Hot-swap 3.5" drive bays

System Cooling

Fans

4x 40x28mm PWM 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)

BIOS Type

UEFI 256Mb

BIOS Features

ACPI 6.0

SMBIOS 2.7

Plug and Play (PnP)

RTC (Real Time Clock) Wakeup

UEFI 2.7

USB Keyboard support

PCI 3.0

Management**Software**

Intel® Node Manager

[IPMI 2.0 \(/solutions/IPMI.cfm\)](/solutions/IPMI.cfm)

NMI

[SSM \(/solutions/SMS_SSM.cfm\)](/solutions/SMS_SSM.cfm), [SPM](/solutions/SMS_SPM.cfm)

[\(/solutions/SMS_SPM.cfm\)](/solutions/SMS_SPM.cfm), [SUM](/solutions/SMS_SUM.cfm)

[\(/solutions/SMS_SUM.cfm\)](/solutions/SMS_SUM.cfm)

Watch Dog

[SuperDoctor® 5 \(/products/nfo/SMS_SD5.cfm\)](/products/nfo/SMS_SD5.cfm)

+12V

Max: 33A / Min: 0.5A

+5V sb

Max: 3A / Min: 0A

Output Type

Gold Finger Connector Mating with Molex 45984-4343

Certification

[. \(http://www.plugloadsolutions.com/80PlusPowerSupply?id=69&type=2\)](http://www.plugloadsolutions.com/80PlusPowerSupply?id=69&type=2)

Platinum Level Certified

[[Test Report \(/products/powersupply/80PLUS/80PLU407P-1R.pdf\)](/products/powersupply/80PLUS/80PLU407P-1R.pdf)]

PC Health Monitoring**CPU**

Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memor Voltages.

FAN

6x 4-pin fan headers (up to 6 fans), 6 fans with tachometer status monitor speed control, Overheat LED indication, Thermal control tachometer fan

Temperature

Monitoring for CPU and chassis environment, CPU thermal trip support Monitor 2 (TM2) support, PECCI

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:

Parts List

Certain products may not be available in your region

[Global SKU \(/en/products/SMC_global_skus\)](/en/products/SMC_global_skus)
