

SuperServer 5019C-M



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-M_angle.jpg) |
[Top View](#) (/a_images/products/views/5019C-M_top.jpg) |
[Front View](#) (/a_images/products/views/5019C-M_front.jpg) | [Rear View](#)
/a_images/products/views/5019C-M_rear.jpg) |

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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. 350W Multi-output power supply, Platinum Level Certified

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-M
SuperServer 5019C-M (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 / Cache
8 cores, 16 threads

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

BIOS Type
UEFI 256Mb

Chassis

Form Factor
1U Rackmount

Model
CSE-813MFTQC-350CB2
(</products/chassis/1U/813/SC813MFTQC-350CB2.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: 32 lbs (14.52 kg)
Net Weight: 18 lbs (8.16 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

Power Supply

350W AC power supply w/ PFC

AC Voltage
100-240 V, 50-60 Hz, 5.0-2.5 Amp

+5V
Max.: 15 Amp
Min.: 0.2 Amp

+5V standby
Max.: 3 Amp
Min.: 0 Amp

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 \(/solutions/IPMI.cfm\)](#),
NMI
[SSM \(/solutions/SMS_SSM.cfm\)](#), [SPM \(/solutions/SMS_SPM.cfm\)](#), [SUM \(/solutions/SMS_SUM.cfm\)](#),
Watch Dog
[SuperDoctor® 5 \(/products/nfo/SMS_SD5.cfm\)](#)

+12V
Max.: 29 Amp
Min.: 0.5 Amp
-12V
Max.: 0.2 Amp
Min.: 0 Amp
+3.3V
Max.: 12 Amp
Min.: 0.2 Amp

Certification



(<http://www.plugloadsolutions.com/80PlusPowerSupply?id=69&type=2>). **Platinum Level Certified**
[Test Report (/products/powersupply/80PLUS/80PLU1H.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 monit speed control, Overheat LED indication, Thermal control tachometer fa
Temperature
Monitoring for CPU and chassis environment, CPU thermal trip support Monitor 2 (TM2) support, PECI

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

Global SKU (/zh_tw/products/SMC_global_skus)