

SuperServer 5019C-MHN2



Integrated Board



[./products/motherboard/X11/X11SCZ-F.cfm](https://products/motherboard/X11/X11SCZ-F.cfm)

Super X11SCZ-F ([./products/motherboard/X11/X11SCZ-F.cfm](https://products/motherboard/X11/X11SCZ-F.cfm))

Views: | [Angled View \(/a_images/products/views/5019C-MHN2_angle.jpg\)](#) |
[Top View \(/a_images/products/views/5019C-MHN2_top.jpg\)](#) |
[Front View \(/a_images/products/views/5019C-MHN2_front.jpg\)](#) | [Rear View \(/a_images/products/views/5019C-MHN2_rear.jpg\)](#) |

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

[Tested M.2 List \(/zh_tw/support/resources/m2ssd?SystemID=86932&ProductName=SS5019C-MHN2\)](#)

[Manuals](#)

[OS Certification Matrix \(/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2D5019C%2DM\)](#)

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

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™ i9/i7/i5/i3 Processors, Intel® Celeron®, Intel® Pentium®
2. Intel® C246 chipset
3. Up to 128GB ECC/non-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, 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-MHN2
SuperServer 5019C-MHN2 (**Black**)

Motherboard

Super X11SCZ-F
(</products/motherboard/X11/X11SCZ-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™ i9/i7/i5/i3 Processors, Intel® Celeron®, Intel® Pentium®

System Memory

Memory Capacity
4 DIMM slots
Up to 128GB Unbuffered ECC/non-ECC UDIMM
Up to DDR4-2666MHz
Memory Type
2666/2400/2133MHz ECC DDR4 SDRAM
DIMM Sizes
32GB, 16GB, 8GB, 4GB
Note
128GB system memory capacity will be available in 2019 through a published BIOS update.

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
Audio
ALC 888S HD Audio
Video
ASPEED AST2500 BMC

Input / Output

SATA
5 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
VGA D-Sub Connector port, 1 DVI - I port, 2 DP (DisplayPort) ports
3 independent displays
Serial Port / Header
1 COM port (header)
TPM
1 TPM 2.0 Header

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
19.8" (483mm)
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 SAS/SATA 3.5" drive bays

System Cooling

Fans
5x 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

System BIOS

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 \(/solutions/IPMI.cfm\)](#)

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



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

0°C to 40°C (32°F to 104°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)
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