

SuperServer 5019C-M4L



Integrated Board



[./products/motherboard/X11/X11SCL-LN4F.cfm](https://products/motherboard/X11/X11SCL-LN4F.cfm)

Super X11SCL-LN4F [./products/motherboard/X11/X11SCL-LN4F.cfm](https://products/motherboard/X11/X11SCL-LN4F.cfm)

Views: | [Angled View \(/a_images/products/views/5019C-M4L_angle.jpg\)](#) |
| [Top View \(/a_images/products/views/5019C-M4L_top.jpg\)](#) |
| [Front View \(/a_images/products/views/5019C-M4L_front.jpg\)](#) | [Rear View \(/a_images/products/views/5019C-M4L_rear.jpg\)](#) |

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

[Tested M.2 List \(/zh_tw/support/resources/m2ssd?SystemID=86656&ProductName=SS5019C-M4L\)](#)

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

Key Applications

Entry level, Cost effective
Compact, less than 15" depth

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® C242 chipset
3. Up to 128GB ECC UDIMM, up to DDR4-2666MHz; 4 DIMM slots
4. 1 PCI-E 3.0 x16 slot
5. 1 Fixed 3.5" drive support (default); up to 2 Fixed 3.5" drives or 3 Fixed 2.5" drives (opt.)
6. **M.2 Interface:** 1 PCI-E 3.0 x4
M.2 Form Factor: 2280/22110
M.2 Key: M-Key
7. 4 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
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-M4L
SuperServer 5019C-M4L (**Black**)

Motherboard

Super X11SCL-LN4F
(</products/motherboard/X11/X11SCL-LN4F.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® C242 chipset

SATA
SATA3 (6Gbps) via Intel C242 controller
RAID 0, 1, 5, 10 support

IPMI
ASPEED AST2500

Network Controllers
Quad LAN with Intel® I210-AT

Video
ASPEED AST2500 BMC

Input / Output

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

LAN
4 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-512F-350B1 (**</products/chassis/1U/512/SC512F-350B1.cfm>**)

Dimensions and Weight

Height
1.7" (43mm)

Width
17.2" (437mm)

Depth
14.5" (368mm)

Package
6.3" (H) x 22" (W) x 20" (D)

Weight
Gross Weight: 17 lbs (7.71 kg)
Net Weight: 11 lbs (4.99 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 PCI-E 3.0 x4
M.2 Form Factor: 2280/22110
M.2 Key: M-Key

Drive Bays

Internal
2x 3.5" or 3x 2.5" drive bays with optional converter kits

System Cooling

Fans
2x 4cm counter-rotating PWM fan

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 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:
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)