

SuperServer 5019C-FL



Integrated Board



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

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

Views: | **Angled View** ([/a_images/products/views/5019C-FL_angle.jpg](https://a_images/products/views/5019C-FL_angle.jpg)) |
Top View ([/a_images/products/views/5019C-FL_top.jpg](https://a_images/products/views/5019C-FL_top.jpg)) |
Front View ([/a_images/products/views/5019C-FL_front.jpg](https://a_images/products/views/5019C-FL_front.jpg)) | **Rear View**
([/a_images/products/views/5019C-FL_rear.jpg](https://a_images/products/views/5019C-FL_rear.jpg)) |

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

[Tested M.2 List](#) ([/en/support/resources/m2ssd?SystemID=86657&ProductName=SS5019C-FL](https://en/support/resources/m2ssd?SystemID=86657&ProductName=SS5019C-FL))

[Manuals](#)

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

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

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

Key Applications

Appliance Server
Security/Gateway Server
Edge Computing

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 64GB ECC UDIMM, up to DDR4-2666MHz; 2 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 4 Fixed 2.5" drives (opt.)
6. **M.2 Interface:**
1 SATA/PCI-E 3.0 x4
M.2 Form Factor: 2280
M.2 Key: M-Key
7. 2 GbE LAN ports, 1 dedicated IPMI LAN
8. 2 USB 3.1 (front), 2 USB 2.0 (front)
9. 1 VGA, 1 COM, 1 TPM
10. 200W Multi-output power supply, Gold 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-FL
SuperServer 5019C-FL (**Black**)

Motherboard

Super X11SCL-iF
(</products/motherboard/X11/X11SCL-iF.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
6 cores, 12 threads

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

System Memory

Memory Capacity
2 DIMM slots
Up to 64GB 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
Dual LAN with Intel® I210-AT

Video
ASPEED AST2500 BMC

Input / Output (Front IO)

SATA
4 SATA3 (6Gbps) ports

LAN
2 RJ45 Gigabit Ethernet LAN ports
1 RJ45 Dedicated IPMI LAN port

USB
2 USB 3.1 ports (front)
2 USB 2.0 ports (front)

Video
1 VGA port

Serial Port / Header
1 COM port (front), 1 COM (header)

TPM
1 TPM 2.0 Header

System BIOS

Chassis

Form Factor
1U Rackmount

Model
CSE-505-203B (</products/chassis/1u/505/sc505-203.cfm>)

Dimensions and Weight

Height
1.7" (43mm)

Width
17.2" (437mm)

Depth
9.8" (249mm)

Package
6.1" (H) x 25.8" (W) x 18.3" (D)

Weight
Gross Weight: 12 lbs (5.44 kg)
Net Weight: 8 lbs (3.63 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
M.2 Form Factor: 2280
M.2 Key: M-Key

Drive Bays

Internal
2 Fixed 3.5" drive bay or 4 Fixed 2.5" drive bays

System Cooling

Fans
2x 4cm PWM fan

Power Supply

200W Low Noise AC-DC power supply with PFC

AC Voltage
100 - 240V, 50-60Hz, 2.6 Amp Max

+5V
8.0 Amp (max.)

+5V standby
2.0 Amp (max.)

+12V
16 Amp (max.)

-12V
0.5 Amp (max.)

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 \(/products/nfo/SMS_SD5.cfm\)](#)

+3.3V

8.0 Amp (max.)

Certification



<http://www.plugloadsolutions.com/80PlusPowerSupply?id=69&type=2>
Gold Certified

PC Health Monitoring

CPU

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

FAN

4x 4-pin fan headers (up to 4 fans), 4 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 \(/en/products/SMC_global_skus\)](#)