

SuperServer 5019S-MN4



Integrated Board



(/products/motherboard/Xeon/C236_C232/X11SSH-LN4F.cfm).

Super X11SSH-LN4F (/products/motherboard/Xeon/C236_C232/X11SSH-LN4F.cfm).

Views: | [Angled View \(/a_images/products/views/5019S-MN4_angle.jpg\)](/a_images/products/views/5019S-MN4_angle.jpg) | [Top View \(/a_images/products/views/5019S-MN4_top.jpg\)](/a_images/products/views/5019S-MN4_top.jpg) | [Front View \(/a_images/products/views/5019S-MN4_front.jpg\)](/a_images/products/views/5019S-MN4_front.jpg) | [Rear View \(/a_images/products/views/5019S-MN4_rear.jpg\)](/a_images/products/views/5019S-MN4_rear.jpg) |

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

[Tested M.2 List \(/zh_tw/support/resources/m2ssd?SystemID=84946&ProductName=SS5019S-MN4\)](#)

[Manuals](#)

[OS Certification Matrix \(/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2D5019S%2DMN4\)](#)

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

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

Key Applications

**SMB, Web hosting, File/Print
Network-Centric, General Purpose
Mainstream; Domain Controller**

Key Features

1. Single Socket H4 (LGA 1151) supports Intel® Xeon® processor E3-1200 v6/v5, Intel® 7th/6th Gen. Core™ i3 series
2. Intel® C236 chipset
3. 4 Hot-swap 3.5" SATA3 bays w/ RAID
4. Up to 64GB Unbuffered ECC UDIMM DDR4 2400MHz; 4 DIMM slots
5. 1 PCI-E 3.0 x8 (in x16) AOC slot
6. 4 GbE ports with Intel® i210-AT
7. Integrated IPMI 2.0 and KVM with Dedicated LAN
8. 1 VGA, 2 COM, 4 USB 3.0, 2 USB 2.0
9. 350W Platinum Level Power Supply

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

Specifications

Product SKUs

SYS-5019S-MN4
SuperServer 5019S-MN4 (Black)

Motherboard

Super X11SSH-LN4F
(/products/motherboard/Xeon/C236_C232/X11SSH-LN4F.cfm).

Processor

CPU
Single Socket H4 (LGA 1151) supports:
Intel® Xeon® processor E3-1200 v6/v5,
Intel® 7th/6th Gen Core™ i3

CPU TDP up to 80W

Note
BIOS version 2.0 or above is required to support Intel® Xeon® Processor E3-1200 v6 series or 7th Generation Intel® Core™ Processors

System Memory

Memory Capacity
4x 288-pin DDR4 DIMM slots
Up to 64GB DDR4 ECC UDIMM
Memory Type
2400/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs
DIMM Sizes
16GB, 8GB, 4GB
Memory Voltage
1.2 V
Error Detection
Corrects single-bit errors
Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset
Intel® C236 chipset
SATA
SATA3 (6Gbps) via C236 controller
RAID 0, 1, 5, 10 support
IPMI
Support for Intelligent Platform Management Interface v.2.0
IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
ASPEED AST2400 BMC
Network Controllers
Quad Intel® I210-AT Gigabit Ethernet LAN ports
Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Video
ASPEED AST2400 BMC

Input / Output

SATA
8 SATA3 (6Gbps) ports
LAN
4 RJ45 Gigabit Ethernet LAN ports
1 RJ45 Dedicated IPMI LAN port
USB
5 USB 3.0 ports (2 rear + 2 headers + 1 Type A)
6 USB 2.0 ports (2 rear + 4 headers)

Chassis

Form Factor
1U Rackmount
Model
CSE-813MFTQC-350CB
(</products/chassis/1U/813/SC813MFTQC-350C.cfm>).

Dimensions and Weight

Height
1.7" (43mm)
Width
17.2" (437mm)
Depth
19.85" (503mm)
Package
8.5" (H) x 24" (W) x 29.5" (D)
Weight
Gross Weight: 30.4 lbs (13.8 kg)
Net Weight: 17.6 lbs (8 kg)
Available Colors
Black

Front Panel

Buttons
Power On/Off button
System Reset button
LEDs
Power LED
Hard drive activity LED
2 Network activity LEDs
System Information LED

Expansion Slots

PCI-Express
1 PCI-E 3.0 x8 (in x16) AOC slot
M.2
1x M.2 Interface: PCI-E 3.0 x2
Form Factor: 2280
Key: M-Key
Double Height Connector

Drive Bays

Hot-swap
4 Hot-swap 3.5" SATA3 drive bays

Peripheral Drives

Optional
2 Fixed 2.5" internal drives

Backplane

SAS/SATA HDD Backplane
(SAS support requires optional SAS controller)

System Cooling

Fans
4x 40x28mm 4-pin PWM Cooling Fans
Optional 1x 40x28mm PWM fan

Video
1 VGA port

Serial Port / Header
2 COM ports (1 rear, 1 front)

SuperDOM
2 SuperDOM (/SATADOM/). (Disk on Module) ports with built-in power

PC Health Monitoring

Voltage
Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.

FAN
Total of 5 fan headers supporting up to 5 fans
4 fans with tachometer status monitoring
Status monitor for speed control
Status monitor for on/off control
Low noise fan speed control
Pulse Width Modulated (PWM) fan connectors

Temperature
Monitoring for CPU and chassis environment
CPU thermal trip support
I²C temperature sensing logic
Thermal Monitor 2 (TM2) support
PECI

LED
System Information LED
Suspend static indicator LED
UID/Remote UID

Other Features
Chassis intrusion detection
Chassis intrusion header
RoHS, Halogen Free

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

+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)**]

System BIOS

BIOS Type
8MB SPI Flash EEPROM with AMI BIOS

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)