

SuperServer 5019S-TN4



Integrated Board



([./products/motherboard/Xeon/C236_C232/X11SSV-M4F.cfm](https://products/motherboard/Xeon/C236_C232/X11SSV-M4F.cfm)).

Super X11SSV-M4F ([./products/motherboard/Xeon/C236_C232/X11SSV-M4F.cfm](https://products/motherboard/Xeon/C236_C232/X11SSV-M4F.cfm)).

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

[Tested M.2 List](#) ([/zh-tw/support/resources/m2ssd?SystemID=85791&ProductName=SS5019S-TN4](https://zh-tw/support/resources/m2ssd?SystemID=85791&ProductName=SS5019S-TN4)).

[Manuals](#)

[OS Certification Matrix](#)
([/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2D5019S%2DTN4](https://support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2D5019S%2DTN4)).

[Drive Options](#)

Key Applications / Features

Virtual Hosted Desktop (VHD)
Digital Recording System
Media/Content Streaming Server
Fast Transcoding for Web Streaming
Support **Intel Quick Sync Video**
(<http://www.intel.com/content/www/us/en/architecture-and-technology/quick-sync-video/quick-sync-video-general.html?wapkw=quick+sync+video>),
Intel Iris Pro Graphics P580
Up to 18 AVC streams or 8 HEVC streams at 1080p 30FPS

1. Single Socket FCBGA 1440 supports Intel® Xeon® processor E3-1585 v5, 4-Core, 8 Threads, 65W
2. Intel® C236 chipset
3. 1x 3.5" or 4x 2.5" HDD
4. Up to 32GB Unbuffered ECC SO-DIMM DDR4 2133MHz; 2 DIMM slots
5. 1 PCI-E 3.0 x16, 1 Mini-PCIe with mSATA, 1 M.2 (M Key, 2242/2280)
6. 4 GbE w/ Intel i219LM, i210AT, i350AM2; shared IPMI 2.0 LAN (Intel i210AT)
7. 1 VGA, 1 COM, 4 USB 3.0 (rear)
8. 200W Low noise AC-DC Power Supply with PFC

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-TN4
SuperServer 5019S-TN4 (Black)

Motherboard

Super X11SSV-M4F
[\(/products/motherboard/Xeon/C236_C232/X11SSV-M4F.cfm\)](#)

Processor

CPU
Single Socket FCBGA 1440 supports:
Intel® Xeon® processor E3-1585 v5, 4-Core, 8 Threads, 65W

System Memory

Memory Capacity
2x DDR4 SO-DIMM slots
Up to 32GB Unbuffered ECC SO-DIMM, DDR4-2133MHz, in 2 DIMM slots
Memory Type
2133/1866/1600MHz ECC DDR4 SODIMMs
DIMM Sizes
16GB, 8GB, 4GB
Memory Voltage
1.2 V

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
Single GbE LAN with Intel® I219LM controller
Single GbE LAN with Intel® I210-AT; IPMI shared LAN with I210-AT
Dual GbE LAN with Intel® I350-AM2
Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Video
ASPEED AST2400 BMC

Input / Output

SATA
4 SATA3 (6Gbps) ports
LAN
4 RJ45 Gigabit Ethernet LAN ports
1 RJ45 Shared IPMI LAN port
USB
4 USB 3.0 ports (rear)
Video
1 VGA port (DVI-A)
Serial Port / Header
1 COM port in RJ45 socket
TPM
1 TPM Header

Chassis

Form Factor
1U Rackmount
Model
CSE-504-203B (/products/chassis/1u/504/sc504-203.cfm)

Dimensions and Weight

Height
1.7" (43mm)
Width
17.2" (432mm)
Depth
9.8" (249mm)
Package
8.5" (H) x 24" (W) x 29.5" (D)
Weight
Net Weight: 8 lbs (3.62 kg)
Gross Weight: 12 lbs (5.44 kg)
Available Colors
Black

Front Panel

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

Expansion Slots

PCI-Express
1 PCI-E 3.0 x16 slot
1 Mini PCI-E with mSATA support
M.2 Interface: PCIe 3.0 x4 and SATA
M.2 Form Factor: 2242, 2280

Drive Bays

Internal
1x 3.5" or 4x 2.5" drive bays

System Cooling

Fans
3x 40x28mm 4-pin PWM Cooling Fans

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.)
+3.3V
8.0 Amp (max.)

PC Health Monitoring

Voltage

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

FAN

Total of 3 fan headers supporting up to 3 fans
3 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

Certification



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

Gold Certified

System BIOS

BIOS Type

8MB SPI Flash EEPROM with AMI BIOS

BIOS Features

DMI 2.3
PCI 2.3
ACPI 1.0 / 2.0
USB Keyboard support
SMBIOS 2.3

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)