

SuperServer 1019C-HTN2



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 \(/a_images/products/views/1019C-HTN2_angle.jpg\)](#) | [Top View \(/a_images/products/views/1019C-HTN2_top.jpg\)](#) | [Front View \(/a_images/products/views/1019C-HTN2_front.jpg\)](#) | [Rear View \(/a_images/products/views/1019C-HTN2_rear.jpg\)](#) |

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[Manuals](#)

[OS Certification Matrix \(/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2D1019C%2DHTN2\)](#)

[Drive Options](#)

Key Applications

**Compact 1U Embedded
Video Surveillance
Network Security
Office Server, DVR/NVR
Digital Signage, POS**

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. 2 Hot-swap 2.5" SATA3 drive bays
4. Up to 128GB unbuffered ECC/non-ECC UDIMM, up to DDR4-2666MHz; 4 DIMM slots
5. 1 PCI-E 3.0 x16 (HHHL) slot, M.2 (M key, 22110/80, PCI-E 3.0 x4/SATA)
6. 2 GbE LAN ports, 1 dedicated IPMI LAN
7. 4 USB 3.1 (3 Type A, 1 Type C)
8. 2 DP, DVI-I, VGA, ALC 888S HD Audio
9. 200W Low Noise AC-DC Power Supply with PFC, Gold 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-1019C-HTN2
SuperServer 1019C-HTN2 (**Black**)

Motherboard

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

Processor

CPU
Single Socket H4 (LGA 1151),
CPU TDP support up to 80W
Support Intel® Xeon® processor E-2100 / E-2200 series, 8th/9th Gen.
Intel® Core™ i9/i7/i5/i3 Processors, Intel® Celeron®, Intel® Pentium®
A graphic integrated CPU is required to have onboard video from
the DVI and DP ports

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

On-Board Devices

Chipset
Intel® C246 chipset
SATA
SATA3 (6Gbps) via Intel C246 controller
RAID 0, 1 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 AST2500 BMC
Network Controllers
Single LAN with Intel® I210-AT
Single LAN with Intel® PHY I219LM
Video
ASPEED AST2500 BMC and Intel HD Graphics
Audio
ALC 888S 7.1 HD Audio

Input / Output

SATA
2 SATA3 (6Gbps) ports; RAID 0, 1
LAN
2 RJ45 Gigabit Ethernet LAN ports
1 RJ45 Dedicated IPMI LAN port
USB
3 USB 3.1 ports (3 Type A and 1 Type C)
Video/Display
2 DP (DisplayPort): 1 DVI-I, 1 VGA D-Sub Connector port
3 independent displays
Audio
MIC-in and LINE-out
TPM
TPM Header " Chip

Chassis

Form Factor
1U Rackmount
Model
CSE-510FT-203B

Dimensions and Weight

Height
1.7" (43mm)
Width
17.2" (437mm)
Depth
11.3" (287mm)
Package
6.1" (H) x 25.4" (W) x 19.8" (D)
Weight
Gross Weight: 14.1 lbs (6.4 kg)
Net Weight: 10.0 lbs (4.54 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 x16 (HHHL) slot
M.2
M.2 Interface: 1 SATA/PCI-E 3.0 x4
M.2 Form Factor: 2280/22110
M.2 Key: M-Key

Drive Bays

Internal
2 Hot-swap 2.5" SATA3 drive bays
(maximum 12mm-thick drive)

System Cooling

Fans
4x 40x28mm 4-pin PWM 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.)

System BIOS

BIOS Type
AMI UEFI

Management

Software
IPMI 2.0 with KVM support
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
Total of 6 fan headers supporting up to 6 fans
6 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

Operating Environment / Compliance

RoHS
RoHS Compliant

Environmental Spec.
Operating Temperature:
10°C to 40°C (50°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)