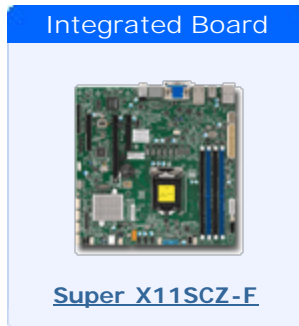


SuperServer 1019C-HTN2



- ▶ [Drivers & Utilities](#) ▶ [BIOS](#) ▶ [IPMI](#) ▶ [Tested Memory](#)
- ▶ [Tested M.2 List](#) ▶ [OS Certification Matrix](#)

Key Features

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

1. Single socket H4 (LGA 1151) supports Intel® Xeon® E processor, 8th Gen. Intel® Core™ i3 Processors, Intel® Celeron®, Intel® Pentium®
2. Intel® C246 chipset
3. 2 Hot-swap 2.5" SATA3 drive bays
4. Up to 64GB 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 or 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

Processor

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

System Memory

- 4 DIMM slots

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
- Power LED
 - Hard drive activity LED

| | |
|-----------------|---|
| Memory Capacity | <ul style="list-style-type: none"> Up to 64GB Unbuffered ECC/non-ECC UDIMM Up to DDR4-2666MHz |
| Memory Type | <ul style="list-style-type: none"> 2666/2400/2133MHz ECC DDR4 SDRAM |
| DIMM Sizes | <ul style="list-style-type: none"> 64GB, 32GB, 16GB, 8GB, 4GB |

On-Board Devices

| | |
|---------------------|--|
| Chipset | <ul style="list-style-type: none"> Intel® C246 chipset |
| SATA | <ul style="list-style-type: none"> SATA3 (6Gbps) via Intel C246 controller RAID 0, 1 support |
| IPMI | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Single LAN with Intel® I210-AT Single LAN with Intel® PHY I219LM |
| Video | <ul style="list-style-type: none"> ASPEED AST2500 BMC and Intel HD Graphics |
| Audio | <ul style="list-style-type: none"> ALC 888S 7.1 HD Audio |

Input / Output

| | |
|---------------|---|
| SATA | <ul style="list-style-type: none"> 2 SATA3 (6Gbps) ports; RAID 0, 1 |
| LAN | <ul style="list-style-type: none"> 2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port |
| USB | <ul style="list-style-type: none"> 3 USB 3.1 ports (3 Type A and 1 Type C) |
| Video/Display | <ul style="list-style-type: none"> 2 DP (DisplayPort): 1 DVI-I, 1 VGA D-Sub Connector port 3 independent displays |
| Audio | <ul style="list-style-type: none"> MIC-in and LINE-out |
| TPM | <ul style="list-style-type: none"> TPM Header " Chip |

System BIOS

| | |
|-----------|--|
| BIOS Type | <ul style="list-style-type: none"> AMI UEFI |
|-----------|--|

Management

| | |
|----------|--|
| Software | <ul style="list-style-type: none"> IPMI 2.0 with KVM support Watch Dog SuperDoctor® 5 |
|----------|--|

| | |
|------|--|
| LEDs | <ul style="list-style-type: none"> 2 Network activity LEDs System Overheat LED |
|------|--|

Expansion Slots

| | |
|-------------|---|
| PCI-Express | <ul style="list-style-type: none"> 1 PCI-E 3.0 x16 (HHHL) slot |
| M.2 | <ul style="list-style-type: none"> M.2 Interface: 1 SATA/PCI-E 3.0 x4 M.2 Form Factor: 2280/22110 M.2 Key: M-Key |

Drive Bays

| | |
|----------|---|
| Internal | <ul style="list-style-type: none"> 2 Hot-swap 2.5" SATA3 drive bays (maximum 12mm-thick drive) |
|----------|---|

System Cooling

| | |
|------|---|
| Fans | <ul style="list-style-type: none"> 4x 40x28mm 4-pin PWM fans |
|------|---|

Power Supply

| | |
|--|--|
| 200W Low Noise AC-DC power supply with PFC | |
| AC Voltage | <ul style="list-style-type: none"> 100 - 240V, 50-60Hz, 2.6 Amp Max |
| +5V | <ul style="list-style-type: none"> 8.0 Amp (max.) |
| +5V standby | <ul style="list-style-type: none"> 2.0 Amp (max.) |
| +12V | <ul style="list-style-type: none"> 16 Amp (max.) |
| -12V | <ul style="list-style-type: none"> 0.5 Amp (max.) |
| +3.3V | <ul style="list-style-type: none"> 8.0 Amp (max.) |

| | |
|---------------|--|
| Certification |  Gold Certified |
|---------------|--|

PC Health Monitoring

| | |
|-------------|--|
| CPU | <ul style="list-style-type: none"> Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages. |
| FAN | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support I²C temperature sensing logic Thermal Monitor 2 (TM2) support PECI |

Operating Environment / Compliance

| | |
|---------------------|--|
| RoHS | <ul style="list-style-type: none"> RoHS Compliant |
| Environmental Spec. | <ul style="list-style-type: none"> 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: 5% to 95% (non-condensing) |

Parts List - (Items Included)

| | Part Number | Qty | Description |
|-----------------------|------------------|-----|--|
| Motherboard / Chassis | MBD-X11SCZ-F | 1 | Super X11SCZ-F Motherboard |
| | CSE-510FT-203B | 1 | 1U Chassis |
| Air Shroud | MCP-310-00097-0B | 1 | |
| Backplane | BPN-SAS-510T | 1 | 2-port 1U (SC510T) direct-attached backplane, support up to 2x 2.5-inch SAS/SATA HDD/SSD |
| Fan | FAN-0065L4 | 1 | 4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M |
| Parts | MCP-260-00128-0B | 1 | 1U I/O Shield for X11SCZ on SC510 with EMI Gasket |
| Parts | MCP-150-00015-0B | 1 | Rubber pad, 3.0mm H, 10x10mm |
| Riser Card | RSC-RR1U-E16 | 1 | RSC-RR1U-E16 with PIC-E x16 output |
| Rear Window | MCP-240-00091-0N | 2 | 1U universal riser card bracket for standard chassis,HF,RoHS/REACH,PBF |
| Heatsink / Retention | SNK-P0046P | 1 | 1U PASSIVE CPU HS FOR INTEL LGA1156 |