

SuperServer 1019C-HTN2



Integrated Board



Super X11SCZ-F

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

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

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® 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 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

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® 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 64GB Unbuffered ECC/non-ECC UDIMM
- Up to DDR4-2666MHz
- Memory Type** ■ 2666/2400/2133MHz ECC DDR4 SDRAM
- DIMM Sizes** ■ 64GB, 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

System BIOS

- BIOS Type** ■ AMI UEFI

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-sw ap 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.)
- +3.3V** ■ 8.0 Amp (max.)

Certification



Gold Certified

PC Health Monitoring

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

Management

- Software
- IPMI 2.0 with KVM support
 - Watch Dog
 - SuperDoctor® 5

- 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
 - Pc 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:
5% to 95% (non-condensing)

Parts List

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	Air shroud for 4-DIMM size,HF,RoHS
Fan	FAN-0065L4	1	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M
Parts	MCP-150-00015-0B	1	Rubber pad, 3.0mm H, 10x10mm
Parts	MCP-260-00128-0B	1	1U I/O Shield for X11SCZ on SC510 w ith EMI Gasket
Riser Card	RSC-RR1U-E16	1	RSC-RR1U-E16 w ith 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 LGA 1156
Power Supply	PWS-203-1H	1	1U 200W Multi-output 80Plus Gold PWS