

SuperServer 1019C-HTN2



Views: | [Angled View](#) | [Top View](#) | [Front View](#) | [Rear View](#) |



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

[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.

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 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

System BIOS

BIOS Type AMI UEFI

Management

Software IPMI 2.0 with KVM support
Watch Dog
[SuperDoctor® 5](#)

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.)

+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.

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:
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 with EMI Gasket
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
Power Supply	PWS-203-1H	1	1U 200W Multi-output 80Plus Gold PWS

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