

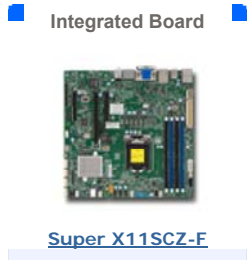


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# SuperServer 1019C-HTN2

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**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

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

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

**Specifications**

|                         |  |
|-------------------------|--|
| <b>Product SKUs</b>     |  |
| <b>SYS-1019C-HTN2</b>   | ▪ SuperServer 1019C-HTN2 (Black)   |
| <b>Motherboard</b>      |  |
| <b>Super X11SCZ-F</b>   |  |
| <b>Processor</b>        |  |
| <b>CPU</b>              | <ul style="list-style-type: none"> <li>▪ Single Socket H4 (LGA 1151), CPU TDP support up to 80W</li> <li>▪ Support Intel® Xeon® E processors, 8th Gen. Intel® Core™ i3 Processors, Intel® Celeron®, Intel® Pentium® (up to TDP 80W)</li> <li>▪ A graphic integrated CPU is required to have onboard video from the DVI and DP ports</li> </ul> |
| <b>System Memory</b>    |  |
| <b>Memory Capacity</b>  | <ul style="list-style-type: none"> <li>▪ 4 DIMM slots</li> <li>▪ Up to 64GB Unbuffered ECC/non-ECC UDIMM</li> <li>▪ Up to DDR4-2666MHz</li> </ul>  |
| <b>Memory Type</b>      | ▪ 2666/2400/2133MHz ECC DDR4 SDRAM   |
| <b>DIMM Sizes</b>       | ▪ 64GB, 32GB, 16GB, 8GB, 4GB   |
| <b>On-Board Devices</b> |  |
| <b>Chipset</b>          | ▪ Intel® C246 chipset  |
| <b>SATA</b>             | <ul style="list-style-type: none"> <li>▪ SATA3 (6Gbps) via Intel C246 controller</li> <li>▪ RAID 0, 1 support</li> <li>▪ Support for Intelligent Platform Management Interface v.2.0</li> </ul>  |
| <b>IPMI</b>             | <ul style="list-style-type: none"> <li>▪ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>▪ ASPEED AST2500 BMC</li> <li>▪ Single LAN with Intel® I210-AT</li> </ul>  |

|                              |  |
|------------------------------|--|
| <b>Chassis</b>               |  |
| <b>Form Factor</b>           | ▪ 1U Rackmount   |
| <b>Model</b>                 | ▪ CSE-510FT-203B   |
| <b>Dimensions and Weight</b> |  |
| <b>Height</b>                | ▪ 1.7" (43mm)  |
| <b>Width</b>                 | ▪ 17.2" (437mm)  |
| <b>Depth</b>                 | ▪ 11.3" (287mm)  |
| <b>Package</b>               | ▪ 6.1" (H) x 25.4" (W) x 19.8" (D)   |
| <b>Weight</b>                | <ul style="list-style-type: none"> <li>▪ Gross Weight: 14.1 lbs (6.4 kg)</li> <li>▪ Net Weight: 10.0 lbs (4.54 kg)</li> </ul>                                      |
| <b>Available Colors</b>      | ▪ Black  |
| <b>Front Panel</b>           |  |
| <b>Buttons</b>               | <ul style="list-style-type: none"> <li>▪ Power On/Off button</li> <li>▪ System Reset button</li> </ul>   |
| <b>LEDs</b>                  | <ul style="list-style-type: none"> <li>▪ Power LED</li> <li>▪ Hard drive activity LED</li> <li>▪ 2 Network activity LEDs</li> <li>▪ System Overheat LED</li> </ul> |
| <b>Expansion Slots</b>       |  |
| <b>PCI-Express</b>           | ▪ 1 PCI-E 3.0 x16 (HHHL) slot  |
| <b>M.2</b>                   | <ul style="list-style-type: none"> <li>▪ M.2 Interface: 1 SATA/PCI-E 3.0 x4</li> <li>▪ M.2 Form Factor: 2280/22110</li> <li>▪ M.2 Key: M-Key</li> </ul>            |
| <b>Drive Bays</b>            |  |
| <b>Internal</b>              | ▪ 2 Hot-swap 2.5" SATA3 drive bays (maximum 12mm-thick drive)  |
| <b>System Cooling</b>        |  |
| <b>Fans</b>                  | ▪ 4x 40x28mm 4-pin PWM fans  |

|                            |   |
|----------------------------|---|
| <b>Network Controllers</b> | <ul style="list-style-type: none"> <li>Single LAN with Intel® PHY I219LM</li> </ul>   |
| <b>Video</b>               | <ul style="list-style-type: none"> <li>ASPEED AST2500 BMC and Intel HD Graphics</li> </ul>  |
| <b>Audio</b>               | <ul style="list-style-type: none"> <li>ALC 888S 7.1 HD Audio</li> </ul>   |
| <b>Input / Output</b>      |   |
| <b>SATA</b>                | <ul style="list-style-type: none"> <li>2 SATA3 (6Gbps) ports; RAID 0, 1</li> </ul>  |
| <b>LAN</b>                 | <ul style="list-style-type: none"> <li>2 RJ45 Gigabit Ethernet LAN ports</li> <li>1 RJ45 Dedicated IPMI LAN port</li> </ul>               |
| <b>USB</b>                 | <ul style="list-style-type: none"> <li>3 USB 3.1 ports (3 Type A and 1 Type C)</li> </ul>   |
| <b>Video/Display</b>       | <ul style="list-style-type: none"> <li>2 DP (DisplayPort): 1 DVI-I, 1 VGA D-Sub Connector port</li> <li>3 independent displays</li> </ul> |
| <b>Audio</b>               | <ul style="list-style-type: none"> <li>MIC-in and LINE-out</li> </ul>   |
| <b>TPM</b>                 | <ul style="list-style-type: none"> <li>TPM Header " Chip</li> </ul>   |
| <b>System BIOS</b>         |   |
| <b>BIOS Type</b>           | <ul style="list-style-type: none"> <li>AMI UEFI</li> </ul>  |
| <b>Management</b>          |   |
| <b>Software</b>            | <ul style="list-style-type: none"> <li>IPMI 2.0 with KVM support</li> <li>Watch Dog</li> <li>SuperDoctor® 5</li> </ul>                    |

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

**Certification**

Gold Certified

**PC Health Monitoring**

|                    |  |
|--------------------|--|
| <b>CPU</b>         | <ul style="list-style-type: none"> <li>Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.</li> </ul>   |
| <b>FAN</b>         | <ul style="list-style-type: none"> <li>Total of 6 fan headers supporting up to 6 fans</li> <li>6 fans with tachometer status monitoring</li> <li>Status monitor for speed control</li> <li>Status monitor for on/off control</li> <li>Low noise fan speed control</li> <li>Pulse Width Modulated (PWM) fan connectors</li> </ul> |
| <b>Temperature</b> | <ul style="list-style-type: none"> <li>Monitoring for CPU and chassis environment</li> <li>CPU thermal trip support</li> <li>I<sup>2</sup>C temperature sensing logic</li> <li>Thermal Monitor 2 (TM2) support</li> <li>PECI</li> </ul>  |

**Operating Environment / Compliance**

|                            |  |
|----------------------------|--|
| <b>RoHS</b>                | <ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>   |
| <b>Environmental Spec.</b> | <ul style="list-style-type: none"> <li>Operating Temperature: 10°C to 40°C (50°F to 104°F)</li> <li>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul> |

**Parts List**

[See Parts List](#)

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