

# SuperServer 5019S-W4TR



## Integrated Board



**Super X11SSW-4TF**

## Key Features

- Mainstream, WIO

1. Single socket H4 (LGA 1151) supports Intel® Xeon® processor E3-1200 v6/v5, Intel® 7th/6th Gen. Core™ i3 series, Intel® Celeron® and Intel® Pentium®
2. Intel® C236 chipset
3. 4 Hot-swap 3.5" drive bays
4. Up to 64GB Unbuffered ECC UDIMM DDR4 2400MHz; 4 DIMM slots
5. 1 PCI-E 3.0 x16 or 2 PCI-E 3.0 x8
6. 4x 10GBase-T ports with Intel® X540, 1 dedicated IPMI port
7. 1 VGA, 1 COM, 2 USB 3.0, 2 USB 2.0
8. 500W Redundant Platinum Level power supplies

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

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

## Specifications

### Product SKUs

SYS-5019S-W4TR ■ SuperServer 5019S-W4TR (Black)

### Motherboard

Super X11SSW-4TF

### Processor/Cache

CPU ■ Single Socket H4 (LGA 1151) supports:  
 ■ Intel® Xeon® processor E3-1200 v6/v5,  
 ■ CPU TDP up to 80W

Note BIOS version 2.0 or above is required to support Intel® Xeon® Processor E3-1200 v6 series or 7th Generation Intel® Core™ Processors

### System Memory

Memory Capacity ■ 4x 288-pin DDR4 DIMM slots  
 ■ Up to 64GB DDR4 ECC UDIMM

Memory Type ■ 2400/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs

DIMM Sizes ■ 16GB, 8GB, 4GB

### Chassis

Form Factor ■ 1U Rackmount

Model ■ CSE-815TQC-R504WB3

### Dimensions and Weight

Height ■ 1.7" (43mm)

Width ■ 17.2" (437mm)

Depth ■ 25.6" (650mm)

Package ■ 23.5" (W) x 8.5" (H) x 33.7" (L)

Weight ■ Net Weight: 24 lbs (10.9 kg)  
 ■ Gross Weight: 35 lbs (15.9 kg)

Available Colors ■ Black

### Front Panel

Buttons ■ Power On/Off button  
 ■ System Reset button

LEDs ■ Power LED  
 ■ Hard drive activity LED  
 ■ Network activity LEDs  
 ■ System Overheat LED  
 ■ Information LED (temp., status)

### Expansion Slots

Memory Voltage	<ul style="list-style-type: none"> <li>1.2 V</li> </ul>
Error Detection	<ul style="list-style-type: none"> <li>Corrects single-bit errors</li> <li>Detects double-bit errors (using ECC memory)</li> </ul>
<b>On-Board Devices</b>	
Chipset	<ul style="list-style-type: none"> <li>Intel® C236 chipset</li> </ul>
SATA	<ul style="list-style-type: none"> <li>SATA3 (6Gbps) via C236 controller</li> <li>RAID 0, 1, 5, 10 support</li> </ul>
IPMI	<ul style="list-style-type: none"> <li>Support for Intelligent Platform Management Interface v.2.0</li> <li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>ASPEED AST2400 BMC</li> </ul>
Network Controllers	<ul style="list-style-type: none"> <li>Quad LAN with Intel® X540 10GBase-T Ethernet Controller</li> <li>Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> </ul>
Video	<ul style="list-style-type: none"> <li>ASPEED AST2400 BMC</li> </ul>
<b>Input / Output</b>	
SATA	<ul style="list-style-type: none"> <li>4 SATA3 (6Gbps) ports</li> </ul>
LAN	<ul style="list-style-type: none"> <li>4 RJ45 10GBase-T LAN ports</li> <li>1 RJ45 dedicated IPMI LAN port</li> </ul>
USB	<ul style="list-style-type: none"> <li>2 USB 3.0 ports (rear)</li> <li>2 USB 2.0 ports (rear)</li> </ul>
Video	<ul style="list-style-type: none"> <li>1 VGA port</li> </ul>
Serial Port / Header	<ul style="list-style-type: none"> <li>1 COM ports (1 rear)</li> </ul>
SuperDOM	<ul style="list-style-type: none"> <li>2 <u>SuperDOM</u> (Disk on Module) ports with built-in power</li> </ul>
<b>PC Health Monitoring</b>	
Voltage	<ul style="list-style-type: none"> <li>Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.</li> </ul>
FAN	<ul style="list-style-type: none"> <li>Total of 6 fan headers supporting up to 6 fans</li> <li>3 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>
Temperature	<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>
LED	<ul style="list-style-type: none"> <li>CPU / System Overheat LED</li> <li>Suspend static indicator LED</li> <li>UID/Remote UID</li> </ul>
Other Features	<ul style="list-style-type: none"> <li>Chassis intrusion detection</li> <li>Chassis intrusion header</li> <li>Chipkill support</li> <li>RoHS, Halogen Free</li> </ul>

PCI-Express	<ul style="list-style-type: none"> <li>1 PCI-E 3.0 x16 or 2 PCI-E 3.0 x8</li> </ul>
<b>Drive Bays</b>	
Hot-swap	<ul style="list-style-type: none"> <li>4 Hot-swap 3.5" SATA3 drive bays</li> </ul>
<b>Peripheral Drives</b>	
DVD-ROM	<ul style="list-style-type: none"> <li>1 Slim DVD-ROM drive bay</li> </ul>
<b>Backplane</b>	
SAS/SATA HDD Backplane (SAS support requires optional SAS controller)	
<b>System Cooling</b>	
Fans	<ul style="list-style-type: none"> <li>4x 40x56mm counter-rotation PWM fan</li> </ul>
<b>Power Supply with Power Distributor</b>	
500W high-efficiency (94+%) power supply w/ PMBus	
With Power Distributor	<ul style="list-style-type: none"> <li>+5V: 25 Amp</li> <li>+3.3V: 12 Amp</li> <li>-12V: 0.6 Amp</li> </ul>
Certification	  Platinum Certified [ <a href="#">Test Report</a> ]
<b>System BIOS</b>	
BIOS Type	<ul style="list-style-type: none"> <li>8MB SPI Flash EEPROM with AMI BIOS</li> </ul>
BIOS Features	<ul style="list-style-type: none"> <li>DMI 2.3</li> <li>PCI 2.3</li> <li>ACPI 1.0 / 2.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.3</li> </ul>
<b>Operating Environment / Compliance</b>	
RoHS	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
Environmental Spec.	<ul style="list-style-type: none"> <li>Operating Temperature: 10°C to 35°C (50°F to 95°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

### Parts List - (Items Included)

	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X11SSW-4TF	1	Super X11SSW-4TF Motherboard
	CSE-815TQC-R504WB3	1	1U Chassis
<b>Backplane</b>	BPN-SAS3-815TQ-N4	1	4-port 1U SAS3 12Gbps Hybrid backplane, support up to 4x 3.5-inch SAS3/SATA3/NVMe Storage Devices
<b>Cable 1</b>	CBL-0180L-01	1	SATA,INT,ROUND,SET OF 4,ST-RA 70/59/48/38CM,26AWG
<b>Cable 2</b>	CBL-CDAT-0660	1	CBL,SGPIO,2X4F TO 2X4F,P2.54,ROUND CABLE,27CM,28AWG
<b>FAN 1</b>	FAN-0156L4	4	40x40x56 mm 13K-11K RPM Counter-rotating Fan,RoHS/REACH
<b>Air Shroud</b>	MCP-310-19002-0N	1	SC815/113/116 Intel DP X9, X8 PC air shroud, 12x13MB
<b>Manual</b>	MNL-1990-QRG	1	5019S-W4TR Quick Reference Guide
<b>Riser Card</b>	RSC-W-68	1	1U LHS WIO w/ 2 PCI-E x8 slots or PCI-E x16 slot
<b>Heatsink / Retention</b>	SNK-P0046P	1	1U PASSIVE CPU HS FOR INTEL LGA1156
<b>Power Supply</b>	PWS-504P-1R	2	500W 1U Redundant PWS W/ 54.5MM Wide