

SuperServer 1019S-WR



Integrated Board



Super X11SSW-F

Views: | [Angled View](#) | [Top View](#) |
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Key Features

- **Appliance Server, WIO**
- **Embedded Applications**

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. 2 fixed 2.5" 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 Left Riser slot; 1 PCI-E 3.0 x4 (in x8 slot)

6. 2 GbE ports with Intel® i210-AT, 1 dedicated IPMI port

7. 1 VGA, 1 COM, 2 USB 3.0, 2 USB 2.0

8. 400W Redundant Platinum Level power supplies

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

Specifications

Product SKUs

- SYS-1019S-WR** ■ SuperServer 1019S-WR (Black)

Motherboard

Super X11SSW-F

Processor/Cache

- CPU**
 - Single Socket H4 (LGA 1151) supports:
 - Intel® Xeon® processor E3-1200 v6/v5, Intel® 7th/6th Gen Core™ i3, Intel® Pentium®, Intel® Celeron® processors
 - 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

- Memory Voltage**
 - 1.2 V

- Error Detection**
 - Corrects single-bit errors
 - Detects double-bit errors (using ECC memory)

On-Board Devices

- Chipset**
 - Intel® C236 chipset

- SATA**
 - SATA3 (6Gbps) via C236 controller
 - RAID 0, 1, 5, 10 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 AST2400 BMC

- Network Controllers**
 - Dual Intel® I210-AT Gigabit Ethernet LAN ports
 - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output

- Video**
 - ASPEED AST2400 BMC

Input / Output

- SATA**
 - 6 SATA3 (6Gbps) ports

- LAN**
 - 2 RJ45 Gigabit Ethernet LAN ports
 - 1 RJ45 dedicated IPMI LAN port

- USB**
 - 5 USB 3.0 ports (2 rear + 2 headers + 1 Type A)
 - 6 USB 2.0 ports (2 rear + 4 headers)

- Video**
 - 1 VGA port

Chassis

- Form Factor**
 - 1U Rackmount

- Model**
 - **CSE-514-R407W**

Dimensions and Weight

- Height**
 - 1.7" (43mm)

- Width**
 - 17.2" (437mm)

- Depth**
 - 16.9" (429mm)

- Package**
 - 23.8" (W) x 8" (H) x 27" (L)

- Weight**
 - Gross Weight: 27 lbs (12.25 kg)
 - Net Weight: 15.5 lbs (7.03 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
 - Information LED (temp., status)

Expansion Slots

- PCI-Express**
 - Left riser slot: 1 PCI-E 3.0 x16 or 2 PCI-E 3.0 x8
 - 1 PCI-E 3.0 x4 (in x8 slot)

- M.2**
 - 1x M.2 Interface: PCI-E 3.0 x4 and SATA
 - Form Factor: 2260, 2280, 22110
 - Key: M-Key
 - Double Height Connector

Drive Bays

- Internal**
 - 2 fixed 2.5" drive bays

System Cooling

- Fans**
 - 4x 40x56mm PWM Cooling Fans
 - 2x Optional fans for AOC cooling

AC/DC240V Input Redundant Power Supplies

400W 1U Redundant Power Supplies with PMbus

- Total Output Power**
 - 400W

- Dimension (W x H x L)**
 - 54.5 x 40 x 220 mm

- Input**
 - 100 - 240Vac / 6.0 - 3.0A / 50-60Hz
 - 200 - 240Vdc / 3.4 - 3.2A (CCC Only)

- +12V**
 - Max: 33A / Min: 0.5A

- +5V sb**
 - Max: 3A / Min: 0A

- Output Type**
 - Gold Finger Connector Mating with Molex 45984-4343

Certification



Platinum Level Certified
[Test Report]

Serial Port / Header	<ul style="list-style-type: none"> 2 COM ports (1 rear, 1 header)
SuperDOM	<ul style="list-style-type: none"> 2 SuperDOM (Disk on Module) ports with built-in power

PC Health Monitoring

Voltage	<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 4 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 PC temperature sensing logic Thermal Monitor 2 (TM2) support PECI
LED	<ul style="list-style-type: none"> System Information LED Suspend static indicator LED UID/Remote UID
Other Features	<ul style="list-style-type: none"> Chassis intrusion detection Chassis intrusion header RoHS, Halogen Free

System BIOS

BIOS Type	<ul style="list-style-type: none"> 8MB SPI Flash EEPROM with AMI BIOS
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Operating Environment / Compliance

RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: <ul style="list-style-type: none"> 10°C to 35°C (50°F to 95°F) Non-operating Temperature: <ul style="list-style-type: none"> -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: <ul style="list-style-type: none"> 8% to 90% (non-condensing) Non-operating Relative Humidity: <ul style="list-style-type: none"> 5% to 95% (non-condensing)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SSW-F	1	Super X11SSW-F Motherboard
	CSE-514-R407W	1	1U Chassis
Air Shroud	MCP-310-19007-0N	1	SC811/SC512L/SC512F/SC813M/SC113M/SC513L-410B/SC513L-420B/SC513F, UP X9SRE/I, X9 Mylar Air Shroud, 12"x9.6" MB
Cable 1	CBL-0082L	1	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
Cable 2	CBL-0227L	1	SATA, INT, ROUND, ST-RA, 48CM, 26AWG
Label	LBL-0108	1	CAUTION LABEL FOR REDUNDANT PWR SYSTEMS
Manual	MNL-1880-QRG	1	X11SSW-F, CSE-514-R407W
Riser Card	RSC-R1UW-E8R	1	1U RHS WIO Riser card with one PCI-E x8 slot
Riser Card	RSC-W-68	1	1U LHS WIO w / 2 PCI-E x8 slots or PCI-E x16 slot
Heatsink / Retention	SNK-P0046P	1	1U PASSIVE CPU HS FOR INTEL LGA1156
Power Supply	PWS-407P-1R	2	AC and DC 240V Input, 400W, Platinum Level, Redundancy power supply meet PMBus Revision 1.2 requirement,RoHS/REACH
Fan	FAN-0156L4 or FAN-0086L4	4	40x40x56 mm 13K-11K RPM Counter-rotating Fan,RoHS/REACH 40x56 4Pin PWM, Primary for SC815, Secondary for SC818, 825M

Optional Parts List

	Part Number	Qty	Description
SATA cable for 2nd HDD	CBL-0227L	1	48cm 30AWG SATA straight to RA cable
GPU Optional Parts	FAN-0141L4	2	40x40x56mm 20.5K RPM, Counter-rotation fan
	CBL-0424L	1	8 pin to Dual 6+2 pin GPU power extension, 40cm
	CBL-0296L	1	4pin to 4pin fan extension cord for PWM fan 23cm
Network Card(s)	AOC-SGP-i2	-	Standard LP, 2x GbE RJ45, PCI-E x4, Intel i350-AM2
	AOC-SGP-i4	-	Standard LP, 4x GbE RJ45, PCI-E x4, Intel i350
	AOC-STGN-i2S	-	Standard Lp, 2x 10GbE SFP+, PCI-E x8, Intel 82599ES
	AOC-STGF-i2S	-	Standard Lp, 2x 10GbE SFP+, PCI-E x8, Intel X710-BM2
	AOC-STG-B4S	-	Standard Lp, 4x 10GbE SFP+, PCI-E x8, Broadcom BCM57840S
	AOC-STGS-i2T	-	Standard Lp, 2x 10GbE RJ45, PCI-E x8, Intel X550-AT2
TPM security module	AOM-TPM-9665V	1	TPM 2.0, vertical form factor
	AOM-TPM-9655V	1	TPM 1.2, vertical form factor
Global Services & Support	<u>OS4HR3/2/1</u>	-	3/2/1-year onsite 24x7x4 service
	<u>OSNBD3/2/1</u>	-	3/2/1-year onsite NBD service
Software	<u>SFT-OOB-LIC</u> • eStore	1	OOB Management Package (per node license)
Software	<u>SFT-DCMS-Single</u>	1	DataCenter Management Package (per node license)