

SuperServer 1019S-WR



Key Features

- Appliance Server, WIO
- Embedded Applications

1. Single socket H4 (LGA 1151) supports Intel® Xeon® processor E3-1200 v5, Intel® 6th Gen. Core™ i3 series, Intel® Celeron® and Intel® Pentium®
2. Intel® C236 chipset
3. 2x 2.5" fixed drive bays
4. Up to 64GB Unbuffered ECC UDIMM DDR4 2133MHz; 4x 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. 2x GbE ports with Intel® i210-AT, 1x dedicated IPMI port
7. I/O ports: 1x VGA, 1x COM, 2x USB 3.0, 2x USB 2.0
8. 400W Redundant Platinum Level power supplies

Note: Image above may show a varied configuration or 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 v5,
 ■ CPU TDP up to 80W

System Memory

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

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
 ■ 2x Network activity LEDs
 ■ System Overheat LED
 ■ Information LED (temp., status)

memory)

On-Board Devices

| | |
|---------------------|--|
| Chipset | <ul style="list-style-type: none"> Intel® C236 chipset |
| SATA | <ul style="list-style-type: none"> SATA3 (6Gbps) via C236 controller RAID 0, 1, 5, 10 support |
| IPMI | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Dual Intel® I210-AT Gigabit Ethernet LAN ports Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output |
| Video | <ul style="list-style-type: none"> ASPEED AST2400 BMC |

Input / Output

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|----------------------|---|
| SATA | <ul style="list-style-type: none"> 6x SATA3 (6Gbps) ports |
| LAN | <ul style="list-style-type: none"> 2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 dedicated IPMI LAN port |
| USB | <ul style="list-style-type: none"> 2x USB 3.0 ports (rear) 2x USB 2.0 ports (rear) |
| Video | <ul style="list-style-type: none"> 1x VGA port |
| Serial Port / Header | <ul style="list-style-type: none"> 1x COM ports (1 rear) |
| SuperDOM | <ul style="list-style-type: none"> 2x <u>SuperDOM</u> (Disk on Module) ports with built-in power |

PC Health Monitoring

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| 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 I²C temperature sensing logic Thermal Monitor 2 (TM2) support PECI |
| LED | <ul style="list-style-type: none"> CPU / System Overheat LED Suspend static indicator LED UID/Remote UID |
| Other Features | <ul style="list-style-type: none"> Chassis intrusion detection Chassis intrusion header Chipkill support RoHS, Halogen Free |

Expansion Slots

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|-------------|---|
| PCI-Express | <ul style="list-style-type: none"> Left riser slot: 1x PCI-E 3.0 x16 or 2x PCI-E 3.0 x8 1x PCI-E 3.0 x4 (in x8 slot) 1x M.2 PCI-E 3.0 x4 |
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Drive Bays


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| Internal | <ul style="list-style-type: none"> 2x 2.5" fixed drive bays |
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System Cooling

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| Fans | <ul style="list-style-type: none"> 4x 40x56mm PWM Cooling Fans 2x Optional fans for AOC cooling |
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AC/DC240V Input Redundant Power Supplies

400W 1U Redundant Power Supplies with PMbus

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| Total Output Power | <ul style="list-style-type: none"> 400W |
| Dimension (W x H x L) | <ul style="list-style-type: none"> 54.5 x 40 x 220 mm |
| Input | <ul style="list-style-type: none"> 100 - 240Vac / 6.0 - 3.0A / 50-60Hz 200 - 240Vdc / 3.4 - 3.2A (CCC Only) |
| +12V | <ul style="list-style-type: none"> Max: 33A / Min: 0.5A |
| +5V sb | <ul style="list-style-type: none"> Max: 3A / Min: 0A |
| Output Type | <ul style="list-style-type: none"> Gold Finger Connector Mating with Molex 45984-4343 |
| Certification |  <ul style="list-style-type: none"> Platinum Level Certified [Test Report] |

System BIOS

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| BIOS Type | <ul style="list-style-type: none"> 8MB SPI Flash EEPROM with AMI BIOS |
| BIOS Features | <ul style="list-style-type: none"> DMI 2.3 PCI 2.3 ACPI 1.0 / 2.0 USB Keyboard support SMBIOS 2.3 |

Operating Environment / Compliance

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|---------------------|---|
| RoHS | <ul style="list-style-type: none"> RoHS Compliant |
| Environmental Spec. | <ul style="list-style-type: none"> Operating Temperature: 10°C to 35°C (50°F to 95°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-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 |

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|----------------------|-----------------------------|---|---|
| Cable 1 | CBL-0227L | 1 | 48CM SATA ROUND S-RA PBF.26AWG |
| Cable 2 | CBL-0082L | 1 | Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG |
| Label | LBL-0108 | 1 | CAUTION LABEL FOR REDUNDANT PWR SYSTEMS |
| Manual | MNL-1880-QRG | 1 | X11SSW-F, CSE-514-R407W |
| Riser Card | RSC-W-68 | 1 | RSC-W-68-O-P |
| Riser Card | RSC-R1UW-E8R | 1 | RSC-R1UW-E8R-O-P |
| 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 |
|------------------------|-------------|-----|---|
| GPU Optional Parts | FAN-0141L4 | 2 | 40x40x56mm 20.5K RPM / 17.6K RPM Counter-rotating Fan |
| | CBL-0424L | 1 | 8 pin to Dual 6+2 pin GPU power extension, 40cm |
| | CBL-0296L | 1 | 4 pin to 4 pin fan extension cord, for PWM fan, 23cm, 24AWG |
| SATA Cable for 2nd HDD | CBL-0227L | 1 | 48cm SATA ROUND S-RA BPF.26AWG |