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Integrated Board



Super X11SSH-F

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Key Features

• HA, Web hosting, File/Print

• Mission-Critical, Light load VM

1. Single socket H4 (LGA 1151) supports Intel® Xeon® processor E3-1200 v5, Intel® 6th Gen. Core™ i3 series

2. Intel® C236 chipset

3. 4x 3.5" Hot-swap SATA3 bays w/ RAID

4. Up to 64GB Unbuffered ECC UDIMM DDR4 2133MHz; 4x DIMM slots

5. 1 PCI-E 3.0 x8 (in x16) AOC slot

6. 2x GbE ports with Intel® i210-AT

7. Integrated IPMI 2.0 and KVM with Dedicated LAN

8. I/O ports: 1x VGA, 2x COM, 2x USB 3.0 (front/rear), USB 2.0

9. 400W Redundant Platinum Power Supplies w/ BBP® option

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-MR	SuperServer 5019S-MR (Black)
Motherboard	
Super X11SSH-F	
Processor/Cache	
CPU	<ul style="list-style-type: none">Single Socket H4 (LGA 1151) supports:Intel® Xeon® processor E3-1200 v5, Intel® 6th Gen Core™ i3CPU TDP up to 80W
System Memory	
Memory Capacity	<ul style="list-style-type: none">4x 288-pin DDR4 DIMM slotsUp to 64GB DDR4 ECC UDIMM
Memory Type	<ul style="list-style-type: none">2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs
DIMM Sizes	<ul style="list-style-type: none">16GB, 8GB, 4GB
Memory Voltage	<ul style="list-style-type: none">1.2 V
Error Detection	<ul style="list-style-type: none">Corrects single-bit errorsDetects double-bit errors (using ECC 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 controllerRAID 0, 1, 5, 10 support
IPMI	<ul style="list-style-type: none">Support for Intelligent Platform Management Interface v.2.0IPMI 2.0 with virtual media over LAN and KVM-over-LAN supportASPEED AST2400 BMC
Network Controllers	<ul style="list-style-type: none">Dual Intel® i210-AT Gigabit Ethernet LAN portsSupports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Video	<ul style="list-style-type: none">ASPEED AST2400 BMC
Input / Output	
SATA	<ul style="list-style-type: none">4x SATA3 (6Gbps) ports
LAN	<ul style="list-style-type: none">2x RJ45 Gigabit Ethernet LAN ports1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none">2x USB 3.0 ports (front/rear)2x USB 2.0 ports
Video	<ul style="list-style-type: none">1x VGA port
Serial Port / Header	<ul style="list-style-type: none">2x COM ports (1 rear, 1 header)
SuperDOM	<ul style="list-style-type: none">2x 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 4 fan headers supporting up to 4 fans4 fans with tachometer status monitoringStatus monitor for speed controlStatus monitor for on/off controlLow noise fan speed controlPulse Width Modulated (PWM) fan connectors
Temperature	<ul style="list-style-type: none">Monitoring for CPU and chassis environmentCPU thermal trip support1°C temperature sensing logicThermal Monitor 2 (TM2) supportPECI
LED	<ul style="list-style-type: none">CPU / System Overheat LEDSuspend static indicator LEDUID/Remote UID
Other Features	<ul style="list-style-type: none">Chassis intrusion detectionChassis intrusion headerChipkill supportRoHS, Halogen Free
Chassis	
Form Factor	<ul style="list-style-type: none">1U Rackmount
Model	<ul style="list-style-type: none">CSE-813MFTQC-R407B
Dimensions and Weight	
Height	<ul style="list-style-type: none">1.7" (43mm)
Width	<ul style="list-style-type: none">17.2" (437mm)
Depth	<ul style="list-style-type: none">19.8" (503mm)
Package	<ul style="list-style-type: none">8.5" (H) x 24" (W) x 29.5" (D)
Weight	<ul style="list-style-type: none">Gross Weight: 33 lbs (15.0 kg)Net Weight: 20 lbs (9.1 kg)
Available Colors	<ul style="list-style-type: none">Black
Front Panel	
Buttons	<ul style="list-style-type: none">Power On/Off buttonSystem Reset button
LEDs	<ul style="list-style-type: none">Power LEDHard drive activity LED2x Network activity LEDsSystem Overheat LED
Expansion Slots	
PCI-Express	<ul style="list-style-type: none">1x PCI-E 3.0 x8 (in x16) AOC slot1x M.2 connector
Drive Bays	
Hot-swap	<ul style="list-style-type: none">4x 3.5" Hot-swap SATA3 drive bays
Peripheral Drives	
Optional	<ul style="list-style-type: none">Optional 2.5" drive adapterOptional slim DVD drive
Backplane	
SAS/SATA HDD Backplane (SAS support requires optional SAS controller)	
System Cooling	
Fans	<ul style="list-style-type: none">4x 40x28mm 4-pin PWM Cooling Fans
AC/DC240V Input Redundant Power Supplies	
400W 1U Redundant Power Supplies with PMbus	
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 / 50-60Hz200 - 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	<div><div></div><div>Platinum Level Certified [Test Report]</div></div>
System BIOS	
BIOS Type	<ul style="list-style-type: none">8MB SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none">DMI 2.3PCI 2.3ACPI 1.0 / 2.0USB Keyboard supportSMBIOS 2.3
Operating Environment / Compliance	
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

[See Parts List](#)

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