

SuperServer 5019S-L



Integrated Board



Super X11SSL-F

Views: | [Angled View](#) | [Top View](#) |
| [Front View](#) | [Rear View](#) |

▶ [Drivers & Utilities](#) ▶ [BIOS](#) ▶ [IPMI](#) ▶ [Tested Memory](#) ▶ [Manuals](#)
▶ [OS Certification Matrix](#) ▶ [Quick-References Guide](#) ▶ [Drive Options](#) ▶ [Network Card \(AOC\) Matrix](#)

Key Applications / Features

Mainstream, Entry Appliance Low Power, Cost effective

1. Single Socket H4 (LGA 1151) supports Intel® Xeon® processor E3-1200 v6/v5, Intel® 7th/6th Gen. Core™ i3 series
2. Intel® C232 chipset
3. 1 Fixed 3.5" drive support (default); Up to 2 Fixed 2.5" drives (opt.)
4. Up to 64GB Unbuffered ECC UDIMM DDR4 2400MHz; 4 DIMM slots
5. 1 PCI-E 3.0 x8 AOC 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
9. 200W Multi-output power supply

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

Specifications

Product SKUs

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

Motherboard

Super X11SSL-F

Processor

CPU ■ Single Socket H4 (LGA 1151) supports:
 ■ Intel® Xeon® processor E3-1200 v6/v5,
 Intel® 7th/6th Gen Core™ i3
 ■ CPU TDP up to 45W, 80W option fan

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® C232 chipset

SATA ■ SATA3 (6Gbps) via C232 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

Serial Port / Header ■ 1 COM port (1 rear)

Chassis

Form Factor ■ 1U Rackmount

Model ■ **CSE-510-203B**

Dimensions and Weight

Height ■ 1.7" (43mm)

Width ■ 17.2" (437mm)

Depth ■ 11.3" (287mm)

Package ■ 6.1" (H) x 25.4" (W) x 19.8" (D)

Weight ■ Net Weight: 8.45 lbs (3.83 kg)
 ■ Gross Weight: 12.55 lbs (5.69 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 ■ 1 PCI-E 3.0 x8 AOC slot

Drive Bays

Fixed ■ 1 3.5" or 2x 2.5" internal drive bays (fixed)

System Cooling

Fans ■ 2x 40x28mm 4-pin PWM Cooling Fans
 ■ 1x FAN-0147L4 option for 80W CPU

Power Supply

200W Low Noise AC-DC power supply with PFC

AC Voltage ■ 100 - 240V, 50-60Hz, 2.6 Amp Max

+5V ■ 8.0 Amp (max.)

+5V standby ■ 2.0 Amp (max.)

+12V ■ 16 Amp (max.)

-12V ■ 0.5 Amp (max.)

+3.3V ■ 8.0 Amp (max.)

Certification



Gold Certified

System BIOS

BIOS Type ■ 8MB SPI Flash EEPROM with AMI BIOS

Operating Environment / Compliance

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 5 fan headers supporting up to 5 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"> 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

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-X11SSL-F	1	Super X11SSL-F Motherboard
	CSE-510-203B	1	1U Chassis
Cable 1	CBL-0061L	1	SATA,INT,FLAT,31.5CM,26AWG
Manual	MNL-1796-QRG	1	5019S-L,QRG,HF,RoHS/REACH
Heatsink / Retention	SNK-P0046P	1	1U PASSIVE CPU HS FOR INTEL LGA1156
Power Supply	PWS-203-1H	1	1U 200W Multi-output 80Plus Gold PWS
FAN 1	FAN-0106L4	2	High current (0.14A) version of Fan-0100L4 (40x28mm PWM)

Optional Parts List

	Part Number	Qty	Description
Internal 2.5" HDD Tray (FDD slot)	MCP-220-00044-0N	-	Dual 2.5" fixed HDD bracket (without DVD)
Internal 2.5" HDD Tray (DVD slot)	MCP-220-00051-0N	-	Single 2.5" fixed HDD bracket
Cable for internal HDD	CBL-0484L	-	55cm 30AWG SATA straight to straight cable
	CBI-0082L	-	Y split, big 4 pin to two RA SATA power extension 15cm
Cooling Fan	FAN-0147L4	1	40x40x28mm 17.5K RPM, SC813M Middle Cooling Fan
Riser Card	RSC-RR1U-E16	1	1U riser card
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	OS4HR3/2/1	-	3/2/1-year onsite 24x7x4 service
	OSNBD3/2/1	-	3/2/1-year onsite NBD service
Software	SFT-OOB-LIC • eStore	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)