

SuperServer 5019C-L



Integrated Board



Super X11SCL-iF

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

- ☐ **Appliance Server**
- ☐ **Front-end, Web Hosting**
- ☐ **Edge Computing**

1. Single Socket H4 (LGA 1151) supports Intel® Xeon® processor E-2100 / E-2200 series, 8th/9th Gen. Intel® Core™ i3 Processors, Intel® Celeron®, Intel® Pentium®
2. Intel® C242 chipset
3. Up to 64GB ECC UDIMM, up to DDR4-2666MHz; 2 DIMM slots
4. 1 PCI-E 3.0 x16 slot
5. 2 Fixed 3.5" drive bay or 4 Fixed 2.5" drive bays
6. **M.2 Interface:**
1 SATA/PCI-E 3.0 x4
M.2 Form Factor: 2280
M.2 Key: M-Key
7. 2 GbE LAN ports, 1 dedicated IPMI LAN
8. 2 USB 3.1 (rear), 2 USB 2.0 (rear)
9. 1 VGA, 1 COM, 1 TPM
10. 200W Multi-output power supply, Gold Level Certified

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

Specifications

Product SKUs

SYS-5019C-L ■ SuperServer 5019C-L (**Black**)

Motherboard

Super X11SCL-iF

Processor

CPU ■ Single Socket H4 (LGA 1151),
CPU TDP support up to 95W
■ Support Intel® Xeon® processor E-2100 / E-2200 series, 8th/9th Gen. Intel® Core™ i3 / Pentium® / Celeron® Processors

Cores ■ 6 cores, 12 threads

Note ■ BIOS 1.0b or above is required to support Intel® Xeon® processor E-2200 series

System Memory

Memory Capacity ■ 2 DIMM slots
■ Up to 64GB Unbuffered ECC UDIMM
■ Up to DDR4-2666MHz

Memory Type ■ 2666/2400/2133MHz ECC DDR4 SDRAM

DIMM Sizes ■ 32GB, 16GB, 8GB, 4GB

On-Board Devices

Chipset ■ Intel® C242 chipset

SATA ■ SATA3 (6Gbps) via Intel C242 controller
■ RAID 0, 1, 5, 10 support

IPMI ■ ASPEED AST2500

Network Controllers ■ Dual LAN with Intel® I210-AT

Video ■ ASPEED AST2500 BMC

Input / Output

SATA ■ 4 SATA3 (6Gbps) ports

LAN ■ 2 RJ45 Gigabit Ethernet LAN ports
■ 1 RJ45 Dedicated IPMI LAN port

USB ■ 2 USB 3.1 ports (rear)
■ 2 USB 2.0 ports (rear)

Video ■ 1 VGA port

Serial Port / Header ■ 1 COM port (rear)

TPM ■ 1 TPM 2.0 Header

System BIOS

BIOS Type ■ UEFI 256Mb

BIOS Features ■ ACPI 6.0
■ SMBIOS 2.7
■ Plug and Play (PnP)
■ RTC (Real Time Clock) Wakeup
■ UEFI 2.7
■ USB Keyboard support
■ PCI 3.0

Chassis

Form Factor ■ 1U Rackmount

Model ■ **CSE-504-203B**

Dimensions and Weight

Height ■ 1.7" (43mm)

Width ■ 17.2" (437mm)

Depth ■ 9.8" (249mm)

Package ■ 6.1" (H) x 25.8" (W) x 18.3" (D)

Weight ■ Gross Weight: 12 lbs (5.44 kg)
■ Net Weight: 8 lbs (3.63 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 Information LED

Expansion Slots

PCI-Express ■ 1 PCI-E 3.0 x16 slot

M.2 ■ M.2 Interface: 1 SATA/PCI-E 3.0 x4
■ M.2 Form Factor: 2280
■ M.2 Key: M-Key

Drive Bays

Internal ■ 2 Fixed 3.5" drive bay or 4 Fixed 2.5" drive bays

System Cooling

Fans ■ 2x 4cm PWM fan

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

PC Health Monitoring

CPU ■ Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.

Management

- Software
- Intel® Node Manager
 - [IPMI 2.0](#)
 - NMI
 - [SSM](#), [SPM](#), [SUM](#)
 - Watch Dog
 - [SuperDoctor® 5](#)

- FAN
- 4x 4-pin fan headers (up to 4 fans), 4 fans w/ tachometer status monitoring, Fan speed control, Overheat LED indication, Thermal control tachometer fan connectors
- Temperature
- Monitoring for CPU and chassis environment, CPU thermal trip support, Thermal Monitor 2 (TM2) support, PECI

Operating Environment / Compliance

- RoHS
- RoHS Compliant
- Environmental Spec.
- 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-X11SCL-iF	1	Super X11SCL-iF Motherboard
	CSE-504-203B	1	1U Chassis
Cable 1	CBL-0484L	1	SATA,INT,ROUND,ST-ST,55CM,30AWG
FAN 1	FAN-0154L4	2	40x40x28 mm, 22.5K RPM, SC813MF Middle Cooling Fan,RoHS/REACH
Fan Holder	MCP-320-81302-0B	1	Optional fan tray for one 40x28mm fan in SC813T/SC813LT-single PWS (Fan tray only)
Manual	MNL-2152-QRG	1	5019C-L/FL Quick Reference Guide
Riser Card	RSC-RR1U-E16	1	RSC-RR1U-E16 w ith PIC-E x16 output
Heatsink / Retention	SNK-P0049P	1	1U Passive Enhanced Performance CPU Heat Sink for Intel Socket H Series Processors

Notes:

1. Parts with * are inside the chassis
2. Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.

Optional Parts List

	Part Number	Qty	Description
Internal 2.5" HDD Tray	MCP-220-00044-0N	-	Dual 2.5" fixed HDD bracket
Internal 2.5" HDD Tray	MCP-220-00051-0N	-	Single 2.5" fixed HDD bracket
Cable for internal HDD	CBL-0484L	-	55cm 30AWG SATA straight to straight cable
	CBL-0211L	-	Big 4 pin to 3x SATA power cable
	CBI-0082L	-	Y split, big 4 pin to two RA SATA power extension 15cm
Fan for AOC	FAN-0154L4	1	40x40x28mm 22.5K RPM, SC813MF Middle Cooling Fan
	MCP-320-81302-0B	1	Fan tray for one 40x28mm fan
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-9670V	1	TPM 2.0, vertical form factor
	AOM-TPM-9671V	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)