

SuperServer 1019S-M2



Coming Soon

Key Features

- Embedded, 7-year life cycle
- Industrial Automation & Control
- Military Compact Server
- VOIP and Network Appliances
- Medical Applications

1. Single socket H4 (LGA 1151) supports Intel® 6th Gen. Core i7/i5/i3 series, Intel® Celeron® and Intel® Pentium® processors
2. Intel® Q170 Express chipset
3. 2x 2.5" Fixed drive bays
4. Up to 64GB Unbuffered Non-ECC UDIMM DDR4 2133MHz; 4 DIMM slots
5. 1x PCI-E 3.0 x16 (in x16) slot
6. 1x GbE LAN w/ Intel® i210-AT, 1x GbE LAN w/ Intel® PHY i219LM
7. Integrated IPMI 2.0 and KVM with Dedicated LAN, vPro supported
8. 2x DP, 1 DVI-I, Intel HD Graphics, with 3x independent displays, VGA for BMC AST2400
9. 400W Platinum Level Power Supply + Optional 2nd redundant 400W Power supply or Battery Backup Unit

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-M2 ■ SuperServer 1019S-M2 (Black)

Motherboard

Super X11SSZ-QF

Processor/Cache

- CPU
- Intel® 6th Gen Core i7/i5/i3 series, Intel® Celeron®, Intel® Pentium® processors; CPU TDP support up to 80W TDP
 - Single Socket H4 (LGA 1151)

System Memory

- Memory ■ 4x 288-pin DDR4 DIMM slots

Chassis

- Form Factor ■ 1U Rackmount
- Model ■ CSE-514-407C-1P

Dimensions and Weight

- Height ■ 1.7" (43mm)
- Width ■ 17.2" (437mm)
- Depth ■ 16.9" (429mm)
- Package ■ 8" (H) x 24" (W) x 24" (D)
- Weight ■ Gross Weight: 30.4 lbs (13.8 kg)
■ Net Weight: 17.6 lbs (8 kg)
- Available Colors ■ Black

Capacity	<ul style="list-style-type: none"> Up to 64GB DDR4 Non-ECC UDIMM
Memory Type	<ul style="list-style-type: none"> 2133/1866/1600MHz Non-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

On-Board Devices

Chipset	<ul style="list-style-type: none"> Intel® Q170 Express chipset
SATA	<ul style="list-style-type: none"> SATA3 (6Gbps) via Intel® Q170 Express controller RAID 0, 1 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"> Intel® PHY i219LM + Intel® i210AT Gigabit Ethernet LAN Controllers Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Audio	<ul style="list-style-type: none"> RealTek ALC 888S High Definition Audio
Video	<ul style="list-style-type: none"> ASPEED AST2400 BMC and Intel HD Graphics 530

Input / Output

SATA	<ul style="list-style-type: none"> 2x SATA3 (6Gbps) ports; RAID 0, 1
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 (2 rear) 3x USB 2.0 ports (2 rear + 1 Type A)
Video/Display	<ul style="list-style-type: none"> 2x DP (Display Port), 1x DVI-I from Intel® HD Graphics, 1x VGA from AST2400 3x Independent Displays from Processor Graphics, VGA is from AST2400 for BMC KVM
Serial Port / Header	<ul style="list-style-type: none"> 2x serial headers
SuperDOM	<ul style="list-style-type: none"> 1x <u>SuperDOM</u> (Disk on Module) ports with built-in power

System BIOS

BIOS Type	<ul style="list-style-type: none"> 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) DMI 2.3 PCI 3.0 ACPI 5.0 USB Keyboard support Hardware BIOS Virus protection SMBIOS 3.0 UEFI 2.3.1 RTC (Real Time Clock) Wakeup

Management

Software	<ul style="list-style-type: none"> AMT IPMI 2.0 with KVM support NMI vPro Watch Dog <u>SuperDoctor® 5</u>
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Front Panel

Buttons	<ul style="list-style-type: none"> Power On/Off button System Reset button
LEDs	<ul style="list-style-type: none"> Power LED Hard drive activity LED 2x Network activity LEDs System Overheat LED

Expansion Slots

PCI-Express	<ul style="list-style-type: none"> 1x PCI-E 3.0 x16 (in x16) slot
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Drive Bays

Internal	<ul style="list-style-type: none"> 2x 2.5" Fixed SATA3 drive bays
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System Cooling

Fans	<ul style="list-style-type: none"> 4x 40x56mm PWM fan; 2x fans for AOC cooling
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Power Supply

400W Platinum level power supply with PMBus and 12C	
AC Input	<ul style="list-style-type: none"> 400W: 100-240 V, 50-60 Hz
DC Output +5V standby	<ul style="list-style-type: none"> 3 Amp
DC Output +12V	<ul style="list-style-type: none"> 33 Amp
Certification	 Platinum Level

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 6 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 RoHS, Halogen Free

Operating Environment / Compliance

RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 0°C to 35°C (32°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)

Power Configurations

- ACPI Power Management
- Keyboard Wakeup from Soft-Off
- CPU Fan auto-off in sleep mode
- Power-on mode for AC power recovery

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SSZ-QF	1	Super X11SSZ-QF Motherboard
	CSE-514-407C-1P	1	1U Chassis
Cable 1	CBL-0082L	1	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
Cable 2	CBL-0227L	2	48CM SATA ROUND S-RA PBF.26AWG
Cable 3	CBL-0062L	1	12V 8 TO 8 PIN POWER CONNECTOR EXTENSION, LF, 20cm, 18AWG
Cable 4	CBL-0296L	4	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Parts	MCP-260-00094-0N	1	1U I/O Shield for X11SSZ with EMI Gasket,RoHS/REACH
Riser Card	RSC-RR1U-E16	1	RSC-RR1U-E16 with PCI-E x16 output
Heatsink / Retention	SNK-P0046P	1	1U PASSIVE CPU HS FOR INTEL LGA1156
Power Supply	PWS-407P-1R	1	AC and DC 240V Input, 400W, Platinum Level, Redundancy power supply meet PMBus Revision 1.2 requirement,RoHS/REACH

Optional Parts List

	Part Number	Qty	Description
Power Supply	PWS-407P-1R	-	AC and DC 240V Input, 400W, Platinum Level, Redundancy power supply meet PMBus Revision 1.2 requirement,RoHS/REACH
Power Supply	PWS-206B-1R	-	Battery Backup Unit