

SuperServer 1019S-M2



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



Key Applications

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

Key Features

- Single Socket H4 (LGA 1151) supports Intel® 7th/6th Gen. Core i7/i5/i3 series, Intel® Celeron® and Intel® Pentium® processors
- Intel® Q170 Express chipset
- 2 Fixed 2.5" drive bays
- Up to 64GB Unbuffered Non-ECC UDIMM DDR4 2400MHz; 4 DIMM slots
- 1 PCI-E 3.0 x16 (in x16 slot)
- 1 GbE LAN w/ Intel® i210-AT, 1 GbE LAN w/ Intel® PHY i219LM
- Integrated IPMI 2.0 and KVM with Dedicated LAN, vPro supported
- 2 DP, 1 DVI-I, Intel HD Graphics, with 3 independent displays, VGA for BMC AST2400
- 400W **Platinum Level** Power Supply + Optional 2nd redundant 400W Power supply or Battery Backup Unit

Drivers & Utilities BIOS IPMI Tested Memory Manuals OS Certification Matrix

Note: Image above may show a varied configuration of 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® 7th/6th Gen Core i7/i5/i3 series, Intel® Celeron®, Intel® Pentium® processors; CPU TDP support up to 80W TDP
Single Socket H4 (LGA 1151)

Note BIOS version 2.0 or above is required to support 7th Generation Intel® Core™ Processors

System Memory

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

Memory Type 2400/2133/1866/1600MHz Non-ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs

DIMM Sizes 16GB, 8GB, 4GB

Memory Voltage 1.2 V

On-Board Devices

Chipset Intel® Q170 Express chipset

SATA SATA3 (6Gbps) via Intel® Q170 Express controller RAID 0, 1 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 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 RealTek ALC 888S High Definition Audio

Video ASPEED AST2400 BMC and Intel HD Graphics 530

Input / Output

SATA 2 SATA3 (6Gbps) ports; RAID 0, 1

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

USB 2 USB 3.0 ports (2 rear)
3 USB 2.0 ports (2 rear + 1 Type A)

Video/Display 2 DP (Display Port), 1 DVI-I from Intel® HD Graphics, 1 VGA from AST2400
3 Independent Displays from Processor Graphics, VGA is from AST2400 for BMC KVM

Serial Port / Header 2 serial headers

SuperDOM 1 [SuperDOM](#) (Disk on Module) port with built-in power

System BIOS

BIOS Type 128Mb SPI Flash EEPROM with AMI BIOS

BIOS Features 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 AMT
IPMI 2.0 with KVM support
NMI
vPro
Watch Dog
[SuperDoctor® 5](#)

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

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

Front Panel

Buttons Power On/Off button
System Reset button

LEDs Power LED
Hard drive activity LED
2 Network activity LEDs
System Information LED

Expansion Slots

PCI-Express 1 PCI-E 3.0 x16 (in x16 slot)

Drive Bays

Internal 2 Fixed 2.5" SATA3 drive bays

System Cooling

Fans 4x 40x56mm PWM fan; 2x fans for AOC cooling

Power Supply

400W Platinum level power supply with PMBus and I2C

AC Input 400W: 100-240 V, 50-60 Hz

DC Output +5V standby 3 Amp

DC Output +12V 33 Amp

Certification **Platinum Level**

PC Health Monitoring

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

FAN 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 Monitoring for CPU and chassis environment
CPU thermal trip support
I²C temperature sensing logic
Thermal Monitor 2 (TM2) support
PECI

LED System Information LED
Suspend static indicator LED
UID/Remote UID

Other Features Chassis intrusion detection
Chassis intrusion header
RoHS, Halogen Free

Operating Environment / Compliance

RoHS RoHS Compliant

Environmental Spec. Operating Temperature: 0°C to 40°C (32°F to 104°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-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	SATA,INT,ROUND,ST-RA,48CM,26AWG
Cable 3	CBL-0296L	4	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Cable 4	CBL-0062L	1	PWEX,2X4M/P4.2 TO 2X4F/P4.2,12V,BLK*4,YEL*4,20CM,18AWG
Label	LBL-0108	1	CAUTION LABEL FOR REDUNDANT PWR SYSTEMS
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 PIC-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

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