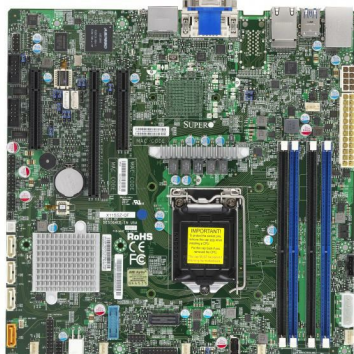


X11SSZ-QF

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**vPro AMT
Embedded
IPMI**

Key Features

1. Single socket H4 (LGA 1151) supports Intel® 7th/6th Gen. Core i7/i5/i3 series, Intel® Celeron® and Intel® Pentium®
2. Intel® Q170 Express chipset
3. Up to 64GB DDR4 2400MHz Non-ECC Unbuffered UDIMM; 4 DIMM slots
4. 1 PCI-E 3.0 x16
2 PCI-E 3.0 x4 (in x8 slot)
5. Dual GbE LAN w/ Intel i219LM + i210AT
6. 2 DP, 1 DVI-I, 3 independent displays via Intel HD Graphics, VGA port for BMC
7. 4 SATA3 (6Gbps) via Q170; RAID 0, 1, 5, 10
8. I/O: 1 SATA DOM, 2 COM, TPM 1.2 header, ALC 888S HD Audio
9. IPMI, AMT vPro
10. Supports 12V DC power input

Links & Resources

- ▶ [Tested Memory List](#)
- ▶ [Tested HDD / SSD List](#)
- ▶ [Tested AOC List](#)
- ▶ [Motherboard Manual](#)
- ▶ [Quick Reference Guide](#)
- ▶ [Update Your BIOS](#)
- ▶ [BMC/IPMI Firmware](#)
- ▶ [Download the Latest Drivers and Utilities](#)
- ▶ [Download Driver CD](#)
- ▶ [OS Compatibility](#)

Specifications

Product SKUs

MBD-X11SSZ-QF ■ X11SSZ-QF

Physical Stats

Form Factor ■ Micro-ATX
Dimensions ■ 9.6" x 9.6" (24.38cm x 24.38cm)

Processor/Cache

CPU ■ Intel® 6th Generation Core™ i3 series
■ Intel® 6th Generation Core™ i5 series
■ Intel® 6th Generation Core™ i7 series
■ Intel® 7th Generation Core™ i3 series
■ Intel® 7th Generation Core™ i5 series
■ Intel® 7th Generation Core™ i7 series
■ Intel® Celeron®
■ Intel® Pentium®
■ Single Socket H4 (LGA 1151) supported; CPU TDP support Up to 91W

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

System Memory

Memory Capacity ■ Up to 64GB Unbuffered non-ECC UDIMM, DDR4-2400MHz, in 4 DIMM slots
Memory Type ■ 2400/2133/1866MHz Non-ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs
DIMM Sizes ■ 4GB, 8GB, 16GB
Memory Voltage ■ 1.2V

On-Board Devices

Chipset ■ Intel® Q170 Express
SATA ■ Intel® Q170 Express controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Network Controllers ■ Single Intel® PHY i219LM LAN controller
Single Intel® Ethernet Controller i210-AT
Audio ■ ALC 888S HD Audio
Graphics ■ Intel® HD Graphics, Aspeed AST2400 BMC
■ 3 Independent Displays, VGA is from BMC.

Input / Output

SATA ■ 4 SATA3 (6Gbps) port
LAN ■ 2 RJ45 Gigabit Ethernet LAN ports
■ 1 RJ45 Dedicated IPMI LAN port
■ 9 USB 2.0 ports (2 rear, 6 via header(s), 1 Type A)

Expansion Slots

PCI-E ■ 1 PCI-E 3.0 x16 (in x16 slot)
■ 2 PCI-E 3.0 x4 (in x8 slot)

System BIOS

BIOS Type ■ AMI UEFI
BIOS Features ■ DMI 2.3
■ PCI 3.0
■ Plug and Play (PnP)
■ ACPI 5.0
■ USB Keyboard support
■ Hardware BIOS Virus protection
■ SMBIOS 3.0
■ UEFI 2.3.1

Management

Software ■ AMT
■ IPMI2.0
■ KVM with dedicated LAN
■ NM
■ SuperDoctor® 5
■ vPro
■ Watchdog
Power Configurations ■ ACPI Power Management
■ Power-on mode for AC power recovery

PC Health Monitoring

Voltage ■ +1.8V, +12V, +3.3V, +5V, +5V standby, 1.2V (VDIMM), 6 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, System level control, VBAT
FAN ■ 6x 4-pin fan headers (up to 6 fans)
■ 6 fans with tachometer status monitoring
■ Fan speed control
■ Overheat LED indication
■ Pulse Width Modulated (PWM) fan connectors
■ PWM fan speed control
■ System level control
■ Thermal control tachometer fan connectors
Temperature ■ Monitoring for CPU and chassis environment
■ CPU thermal trip support
■ i2C temperature sensing logic
■ Thermal Monitor 2 (TM2) support
■ PECI
LED ■ CPU / System Overheat LED
■ UID/Remote UID
■ +5V Standby alert LED
■ 8-pin 12v DC power connector
■ ACPI power management
■ ATX Power connector

Video Output

■

2 DP (DisplayPort) port(s), 1 DVI - I port(s), 1 VGA port(s)

Serial Port / Header

■ 2 COM Ports (2 header(s))

TPM

■ 1 TPM 2.0 Header

Other Features

■ Chassis intrusion header

■ Control of power-on for recovery from AC power loss

■ CPU thermal trip support for processor protection

■ Intel Smart Response Technology

■ RoHS

■ System level control

■ UD

■ WOL

Operating Environment

Operating Temperature Range

■ 0°C ~ 60°C (32°F ~ 140°F)

Non-Operating Temperature Range

■ -20°C ~ 60°C (-4°F ~ 140°F)

Operating Relative Humidity Range

■ 10% ~ 85% (non-condensing)

Non-Operating Relative Humidity Range

■ 10% ~ 95% (non-condensing)

Note: For optimized or compatible chassis, additional parts may be required, please check with Supermicro sales rep

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SSZ-QF	1	X11SSZ-QF Motherboard
I/O Cables	CBL-0044L	2	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00093-0N	1	Standard I/O Shield for X11SSZ with EMI Gasket

Parts List (Retail Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SSZ-QF	1	X11SSZ-QF Motherboard
QRG	MNL-1744-QRG	1	Motherboard Quick Reference Guide
I/O Cables	CBL-0044L	4	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00093-0N	1	Standard I/O Shield for X11SSZ with EMI Gasket

Optional Parts List			
Name	Part Number	Qty	Description
1U I/O Shield	MCP-260-00094-0N	--	1U I/O Shield for X11SSZ with EMI Gasket in CSE-512/813
TPM security module	AOM-TPM-9655V AOM-TPM-9655H	--	TPM Module with Infineon 9655, RoHS/REACH,PBF; Vertical or Horizontal

Chassis (Optimized for X11SSZ-QF)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
	SC512-203B SC512F-350B SC514-R400C SC515-505 SC515-505 SC813MTQ-350CB ● SC813MFTQC-350CB 1U Heatsink:SNK-P0046P	SC825MTQ-R700LPB SC823MTQ-R700LPB 2U Heatsink:SNK-P0046A4		SC731i-300B SC731D-300B SC731i-403B SC732D3-1200B SC733TQ-668B 2U Heatsink:SNK-P0046A4	SC743AC-1200B-SQ SC745BAC-R1K28B2 SC842i-500B 2U Heatsink:SNK-P0046A4

● = Most optimized Chassis for SuperServer Configuration
Blue color = Compatible
Green color = Global SKU & Compatible
Red dot & green color = Optimized + Global SKU

Server (Optimized for X11SSZ-QF)

Server Name
SYS-1019S-M2