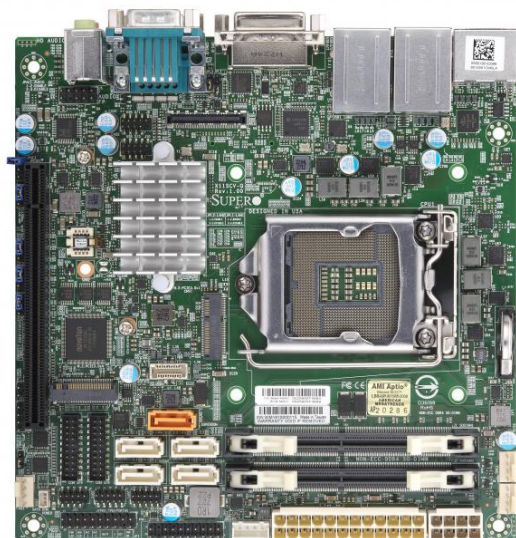




**Embedded
vPro AMT
2666MHz DDR4**

Key Features

Links & Resources

[Tested Memory List](#)

[Tested HDD / SSD List](#)

[Tested M.2 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](#)

[Optimization](#)

1. 8th/9th Generation Intel® Core™ i9/Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processor.
Single Socket LGA-1151 (Socket H4) supported, CPU TDP support Up to 65W TDP
2. Intel® Q370
3. Up to 64GB Unbuffered non-ECC SO-DIMM, DDR4-2666MHz, in 2 DIMM slots
4. 1 PCI-E 3.0 x16
1 M.2 M-Key PCI-E 3.0 x4, 2242/2280
1 M.2 E-Key CNVi/PCI-E 3.0 x1, 2230
5. 1 DVI - D port, 1 HDMI port, 1 DP (DisplayPort) port, 1 eDP (Embedded DisplayPort) port,
3 Independent Displays, HDMI 2.0
6. Intel® Q370 controller for 5 SATA3 (6 Gbps) ports; RAID 0,1,5,10
X11SCV-Q: Q370 controller for 5SATA3 ports;RAID 0,1,5,10
7. Single LAN with Intel® Ethernet Controller I210-AT
Single LAN with Intel® PHY I219LM LAN controller

Specifications

Product SKUs

MBD-X11SCV-Q	■ X11SCV-Q
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Physical Stats

Form Factor	■ Mini-ITX
Dimensions	■ 6.7" x 6.7" (17.02cm x 17.02cm)

Processor/Cache

CPU	■ 8th/9th Generation Intel® Core™ i9/Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processor. ■ Single Socket LGA-1151 (Socket H4) supported, CPU TDP support Up to 65W TDP
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System Memory

Memory Capacity	■ Up to 64GB Unbuffered non-ECC SO-DIMM, DDR4-2666MHz, in 2 DIMM slots
Memory Type	■ NA
DIMM Sizes	■ 4GB, 8GB, 16GB
Memory Voltage	■ 1.2V

On-Board Devices

Chipset	■ Intel® Q370
SATA	■ Intel® Q370 controller for 5 SATA3 (6 Gbps) ports; RAID 0,1,5,10 ■ X11SCV-Q: Q370 controller for 5SATA3 ports;RAID 0,1,5,10
Network Controllers	■ Single LAN with Intel® Ethernet Controller I210-AT Single LAN with Intel® PHY I219LM LAN controller
Audio	■ ALC 888S HD Audio
Graphics	■ Intel® HD Graphics ■ 3 Independent Displays, HDMI 2.0

Input / Output

LAN	■ 2 RJ45 Gigabit Ethernet LAN ports
USB	■ 4 USB 2.0 ports (4 via headers, Type A)) ■ 6 USB 3.1 ports (4 rears (2 Type A + 2 Type C) + 2 via headers; USB 3.1 Gen 2
Video Output	■ 1 DVI - D port, 1 HDMI port, 1 DP (DisplayPort) port, 1 eDP (Embedded DisplayPort) port, ■ 3 Independent Displays, HDMI 2.0
Serial Port / Header	■ 6 COM Ports (2 rear, 4 headers), 4COM port support RS-232 thru pin header; 2COM support RS-232/422/485 in rear
TPM	■ 1 TPM Header & Chip both

Expansion Slots

PCI-E	■ 1 PCI-E 3.0 x16
M.2	■ 1 M.2 M-Key PCI-E 3.0 x4, 2242/2280 ■ 1 M.2 E-Key CNVi/PCI-E 3.0 x1, 2230

System BIOS

BIOS Type	■ AMI UEFI
BIOS Features	■ ACPI 6.1 ■ SMBIOS 3.1 ■ PCI FW 3.0 ■ UEFI 2.6 ■ RTC Wakeup BIOS setup option

Management

Software	■ AMT, NMI, SuperDoctor® 5, vPro, Watchdog
Power Configurations	■ ATX Pow er connector ■ +12V DC Pow er Input

PC Health Monitoring

Voltage	■ +1.8V, +3.3V, +5V, +5V standby, 3 -fan status, HT, System level control, System temperature, VBAT
FAN	■ 3x 4-pin fan headers (up to 3 fans), 3 fans with tachometer monitoring, Fan speed control, Low noise fan speed control, Overheat LED indication, PWM fan speed control, System level control, Thermal control tachometer fan connectors
Temperature	■ PECI
LED	■ CPU / System Overheat LED
Other Features	■ 12V DC or ATX Pow er Source, 8-pin 12v DC pow er connector, ACPI pow er management, ATX Pow er connector, Chassis intrusion detection, M.2 NGFF connector, RoHS, System level control, WOL

Operating Environment

Operating Temperature Range	■ 0°C ~ 60°C (32°F ~ 140°F)
Non-Operating Temperature Range	■ -30°C ~ 60°C (-22°F ~ 140°F)
Operating Relative Humidity Range	■ 10% ~ 85% (non-condensing)
Non-Operating Relative Humidity Range	■ 10% ~ 95% (non-condensing)

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SCV-Q	1	X11SCV-Q Motherboard
I/O Cables	CBL-0044L	2	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00136-0N	1	Standard I/O Shield for X11SCV-Q

Parts List (Retail Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-X11SCV-Q	1	X11SCV-Q Motherboard
QRG	MNL-2096-QRG	1	Motherboard Quick Reference Guide
I/O Cables	CBL-0044L	5	57.5CM SATA FLAT S-S PBF
I/O Shield	MCP-260-00136-0N	1	Standard I/O Shield for X11SCV-Q

Optional Parts List			
Name	Part Number	Qty	Description
USB Cable	CBL-CUSB-0983	1	USB2.0 cable 20cm
COM Cable	CBL-CUSB-0984	1	COM Cable 20cm
I/O Shield	MCP-260-00137-0B	1	1U I/O Shield for X11SCV-Q in SC504 Chassis

Chassis (Optimized for X11SCV-Q)

Embedded Compact	1U	2U	3U	Mid/Mini-Tower	4U/Tower
	SCE300 1U Heatsink:SNK-P0049A4				

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

Server (Optimized for X11SCV-Q)

Server Name
<u>SYS-E300-9C</u>
<u>SYS-5029C-TN2</u>