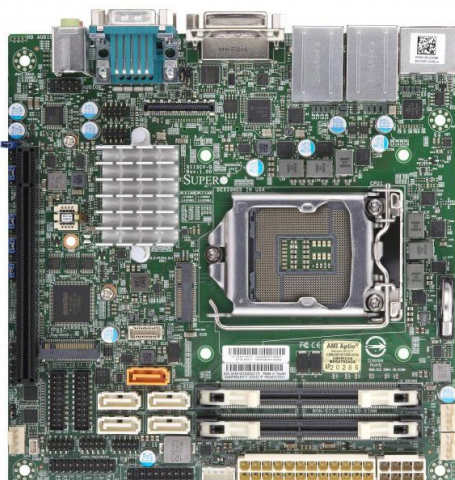




X11SCV-Q



**Embedded
vPro AMT
2666MHz DDR4
8-Core**

Key Features

1. 8th Generation Intel® Core™ i7/i5/i3/Pentium®/Celeron® Processor ., Single Socket H4 (LGA 1151) supported, CPU TDP support Up to 65W TDP
2. Intel® Q370
3. Up to 32GB 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

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](#)

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 Generation Intel® Core™ i7/i5/i3/Pentium®/Celeron® Processor . • Single Socket H4 (LGA 1151) supported, CPU TDP support Up to 65W TDP • 8th Gen Intel® Core™ desktop processors are supported with Intel® 300 Series chipset motherboards only
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Cores / Cache	• 8 cores, 16 threads
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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 Power connector • +12V DC Power Input

System Memory

Memory Capacity	Up to 32GB Unbuffered non-ECC SO-DIMM, DDR4-2666MHz, in 2 DIMM slots
Memory Type	N/A
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 headers Type A)) 6 USB 3.1 ports (4 rears (2 Type A + 2 Type C) + 2 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

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 Power Source, 8-pin 12v DC power connector, ACPI power management, ATX Power 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)

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-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

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