

SuperServer E300-9C



Integrated Board



Super X11SCV-Q

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Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

Key Features

- IoT Edge Computing
- DVR / NVR
- Machine Automation
- Digital Signage
- Medical Applications
- IoT Gateway

1. Single Socket H4 (LGA 1151) supports:
8th Generation Intel® Core™ i7/i5/i3
/ Pentium® / Celeron® processor

2. Intel® Q370 chipset

3. 2 Internal 2.5" drive bays (Top drive bay area can accommodate either an AOC with riser card and bracket or 2.5" drive on the top bracket.)

4. Up to 32GB unbuf. non-ECC SO-DIMM, DDR4-2666MHz; in 2 DIMM slots

5. 1 PCI-E 3.0 x16 LP AOC slot, M.2 M key; PCI-E 3.0 x4, support 2242/2280; M.2 E KEY: PCI-E 3.0 x1, support 2230

6. 2x 1GbE LAN ports

7. 4 USB 3.1 (2 type A and 2 type C)

8. 1 HDMI, 1 DP, 1 DVI-D, HD Audio

9. 2x 4cm high performance PWM fans

10. DC Power Adapter

Specifications

Product SKUs

- SYS-E300-9C** ■ SuperServer E300-9C (**Black**)

Motherboard

Super X11SCV-Q

Processor/Cache

- CPU**
 - Single Socket H4 (LGA 1151) supports:
 - 8th Generation Intel® Core™ i7/i5/i3 / Pentium® / Celeron® processor**
 - CPU TDP support Up to 65W TDP

System Memory

- Memory Capacity**
 - Up to 32GB Unbuffered non-ECC SO-DIMM, DDR4-2666MHz
 - 2 DIMM slots
- Memory Type**
 - DDR4-2666MHz Unbuffered non-ECC SO-DIMM
- DIMM Sizes**
 - 16GB
- Memory Voltage**
 - 1.2 V
- Error Detection**
 - Corrects single-bit errors
 - Detects double-bit errors (using ECC memory)

On-Board Devices

- Chipset**
 - Intel® Q370
- SATA**
 - Q370 controller for 5 SATA3 ports; RAID 0, 1
- Network Controllers**
 - Single LAN with Intel® Ethernet Controller I210-AT
 - Single LAN with Intel® PHY I219LM LAN controller
- Audio**
 - ALC 888S HD Audio
- Graphics**
 - 3 Independent Displays

Input / Output

- SATA**
 - 5 SATA3 (6Gbps) ports via PCH
- LAN**
 - 2 RJ45 Gigabit Ethernet LAN ports
- USB**
 - 4 USB 3.1 (2 type A and 2 type C in rear)
- Display**
 - 1 DVI - D port
 - 1 HDMI port
 - 1 DP (Display Port)
 - 1 eDP (Embedded Display Port)
 - 3 Independent Displays
- Audio**
 - HD Audio (Mic In / Line Out)
- TPM**
 - 1 TPM Header & Chip

Chassis

- Form Factor**
 - Compact

- Model**
 - CSE-E300**

Dimensions

- Width**
 - 10" (254mm) / 15" (381mm) - pkg.
- Height**
 - 1.7" (43mm) / 10.87" (276mm) - pkg.
- Depth**
 - 8.9" (226mm) / 5.59" (142mm) - pkg.
- Weight**
 - Gross Weight: 7.5 lbs (3.4 kg)
 - Net Weight: 3.45 lbs (1.56 kg)
- Available Colors**
 - Black

Front Panel

- Buttons**
 - Power On/Off button
- LEDs**
 - Power LED (Hard drive activity LED)

Expansion Slots

- PCI-E**
 - 1 PCI-E 3.0 x16
- M.2**
 - M.2 M key: PCI-E 3.0 x4, NVMe support 2242/2280 length
 - M.2 E Key: PCI-E 3.0 x1, support 2230 length

Drive Bays

- Internal**
 - 2 Fixed 2.5" drive bays - one with bracket, one on base mount (1 fixed 2.5" drive bay when AOC area is occupied)

System Cooling

- Fans**
 - 2x 4cm high performance PWM fan

Power Supply

- 150W DC Power Adapter

System BIOS

- BIOS Type**
 - AMI UEFI
- BIOS Features**
 - ACPI 6.0

Management

- Software**
 - AMT
 - NMI
 - vPro
 - Watch Dog
- Power Configurations**
 - ATX Power connector
 - +12V DC Power Input
- Fan**
 - Fans with tachometer status monitoring

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)
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Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SCV-Q	1	Super X11SCV-Q Motherboard
	CSE-E300	1	Embedded Server BOX for Flex-ATX, Mini-ITX 1U height
Cable 1	CBL-0473L	1	SATA,INT,ROUND,ST-ST,21CM,30AWG
Cable 2	CBL-SAST-0886	1	SATA 15pin x2 to 4pin /P2.5,40CM,22AWG
FAN 1	FAN-0065L4	2	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M
Power Supply	MCP-250-10128-0N	1	150W Lockable Power Adapter with US power cord
Parts	MCP-260-10109-0B	1	CSE-101F, E300 Rear I/O for X11SCV-Q
Heatsink / Retention	SNK-P0073A4	1	1U Enhanced Performance Active CPU Heat Sink for Intel Socket H Series Motherboards

Optional Parts List

	Part Number	Qty	Description
Fan	FAN-0100L4	-	40X28MM 4-PIN PWM FAN FOR SC510 & SC511
Riser Card	RSC-RR1U-E16	-	RSC-RR1U-E16 with PIC-E x16 output
Rackmount kit	MCP-290-30002-0B	-	CSE-E300 Rackmount kit