

SuperServer 5029C-TN2



Views: | [Opened \(R\)](#) | [Opened \(L\)](#) | [Rear](#) |

Integrated Board



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

- Surveillance Security Server
- Compact Storage Appliance
- Video processing & streaming
- Small Medium Business Edge Server

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

2. Intel® Q370 chipset

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

4. 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

5. 4 Hot-swap 3.5" drive bays,
2 internal 2.5" drive bays,
1 slim DVD-ROM bay

6. 2x 1GbE LAN ports

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

8. Intel® HD Graphics,
ALC 888S HD Audio

9. 250W Bronze Level power supply

Specifications

Product SKUs

- SYS-5029C-TN2** ■ SuperServer 5029C-TN2 (**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 chipset
- 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

Management

- Software** ■ SuperDoctor® 5
 - Watch Dog
 - Non-maskable Interrupt (NMI)
 - Chassis intrusion detection

Chassis

- Form Factor** ■ Mini Tower

- Model** ■ **CSE-721TQ-250B**

Dimensions and Weight

- Height** ■ 9.45" (240mm)
- Width** ■ 8.27" (210mm)
- Depth** ■ 11" (279mm)
- Weight** ■ Gross Weight: 15 lbs (6.8 kg)
- Available Colors** ■ Black

Front Panel

- Buttons** ■ Power On/Off button
 - System Reset button
- LEDs** ■ Power LED
 - Hard drive activity LED
 - Network activity LEDs
 - System Information LED
- Ports** ■ 2 USB 3.1 Gen1 ports

Expansion Slots

- PCI-E** ■ 1 PCI-E 3.0 x16 (Low -profile)
- 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

- HDD** ■ 4 Hot-sw ap 3.5" drive bays
 - 2 internal 2.5" drive bays
- Peripheral** ■ 1 slim DVD-ROM bay

Power Supply

250W Flex ATX Multi-output Bronze Power Supply

- AC Voltage** ■ 100 - 240V, 50 - 60Hz
- +5V** ■ Max:14 Amp; Min:0.5 Amp
- +12V** ■ Max:18 Amp; Min:1 Amp @100V-240V
- 12V** ■ Max: 0.3 Amp
- +3.3V** ■ Max: 12 Amp Min: 0.3Amp
- 5VSB** ■ Max: 2.5 Amp

Certification



Bronze Certified

PC Health Monitoring

- CPU** ■ Monitors for CPU Cores, +1.8V, +3.3V, +5V, +-12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages.
 - 3+0 CPU sw itch phase voltage regulator
 - CPU thermal trip support

FAN	<ul style="list-style-type: none">■ Low noise fan speedcontrol
Temperature	<ul style="list-style-type: none">■ Monitoring for CPU and chassis environment■ Thermal Control for 4x 4-pin fan connectors■ Platform Environmental Control Interface (PECI)

System BIOS

BIOS Type	<ul style="list-style-type: none">■ UEFI 256Mb
BIOS Features	<ul style="list-style-type: none">■ ACPI 6.0■ SMBIOS 2.7■ Plug and Play (PnP)■ RTC (Real Time Clock) Wakeup■ PCI F/W 3.0

Operating Environment / Compliance

RoHS	<ul style="list-style-type: none">■ RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none">■ Operating Temperature: 10°C to 35°C (50°F to 95°F)■ Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)■ Operating Relative Humidity: 20% to 95% (non-condensing)■ Non-operating Relative Humidity: 5% to 95% (non-condensing)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SCV-Q	1	Super X11SCV-Q Motherboard
	CSE-721TQ-250B	1	Mini Tower Chassis
Cable 1	CBL-0473L	4	SATA,INT,ROUND,ST-ST,21CM,30AWG
Backplane	CSE-SAS-733TQ	1	4x3.5" SAS2/SATA3 backplane w /SES-II
Parts	MCP-260-00136-0N	1	Standard I/O Shield for X11SCV with EMI Gasket
* Power Supply	PWS-251-1H	1	1U 250W Flex ATX Multi-output Bronze Power Supply
* FAN 1	FAN-0124L4	1	12 CM x 12 CM fan
* Drive Tray(s)	MCP-220-00075-0B	4	Black gen 5.5 hot-sw ap 3.5"; HDD tray

Notes:

1. Parts with * are inside the chassis
2. Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.