

# SuperServer 5029C-TN2



Views: | [Front View](#) | [Rear View](#) | [Angled View](#) | [Side View](#) | [Side View](#) |



## Key Features

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

1. Single Socket H4 (LGA 1151) supports: 9th/8th Gen Intel® Core™ i9/i7/i5/i3 / Pentium® / Celeron® processor
2. Intel® Q370 chipset
3. Up to 64GB 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. 350W Flex ATX Multi-output Gold Power Supply

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

## Specifications ^

### Product SKUs

**SYS-5029C-TN2** SuperServer 5029C-TN2 (**Black**)

### Motherboard

**Super X11SCV-Q**

### Processor/Cache

**CPU** Single Socket H4 (LGA 1151) supports: **9th/8th Gen Intel® Core™ i9/i7/i5/i3 / Pentium® / Celeron® processor**  
 CPU TDP support Up to 65W TDP

### System Memory

**Memory Capacity** Up to 64GB Unbuffered non-ECC SO-DIMM, DDR4-2666MHz  
 2 DIMM slots

**Memory Type** DDR4-2666MHz Unbuffered non-ECC SO-DIMM

**DIMM Sizes** 32GB, 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, 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** 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  
 2 COM ports support RS-232/422/485

**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-350B](#)

### 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-swap 3.5" drive bays  
 2 internal 2.5" drive bays

**Peripheral** 1 slim DVD-ROM bay

### Power Supply

350W Flex ATX Multi-output Power Supply

**AC Voltage** 100 - 240V, 50 - 60Hz

**+5V** Max:15 Amp; Min:0.2 Amp

**+12V** Max:28 Amp; Min:0.1 Amp @100V-240V

**-12V** Max: 0.3 Amp Min: 0.05 Amp

**+3.3V** Max: 10 Amp Min: 0.1 Amp

**5VSB** Max: 2 Amp Min: 0.05 Amp

#### Certification



[Gold 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 switch phase voltage regulator  
 CPU thermal trip support

**FAN** Low noise fan speedcontrol

**Temperature** Monitoring for CPU and chassis environment  
 Thermal Control for 4x 4-pin fan connectors  
 Platform Environmental Control Interface (PECI)

### System BIOS

**BIOS Type** UEFI 256Mb

**BIOS Features** ACPI 6.0  
 SMBIOS 2.7  
 Plug and Play (PnP)  
 RTC (Real Time Clock) Wakeup  
 PCI F/W 3.0

### Operating Environment / Compliance

**RoHS** RoHS Compliant

**Environmental Spec.** 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
<b>Motherboard / Chassis</b>	MBD-X11SCV-Q	1	Super X11SCV-Q Motherboard
	CSE-721TQ-350B	1	Mini Tower Chassis
<b>Cable 1</b>	CBL-0473L	4	SATA,INT,ROUND,ST-ST,21CM,30AWG
<b>Backplane</b>	CSE-SAS-733TQ	1	4x3.5" SAS2/SATA3 backplane w/SES-II
<b>Parts</b>	MCP-260-00136-0N	1	Standard I/O Shield for X11SCV with EMI Gasket
<b>* Power Supply</b>	PWS-353-1H	1	1U Flex ATX 350W Multi-output Gold Power Supply
<b>* FAN 1</b>	FAN-0124L4	1	12 CM x12 CM fan
<b>* Drive Tray(s)</b>	MCP-220-00075-0B	4	Black gen 5.5 hot-swap 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.

### Optional Parts List

	Part Number	Qty	Description
<b>DVD-RW</b>	DVM-TEAC-DVDRW-SBT5	-	BLACK TEAC SLIM DVD-RW SATA DRIVE,HF,RoHS/REACH,PBF
<b>DVD Kit</b>	MCP-220-81502-0N	-	Slim SATA DVD kit
<b>CPU Heatsink Fan</b>	SNK-P0046A4	-	2U ACTIVE CPU HS FOR INTEL LGA1156
<b>Power Cable</b>	CBL-PWEX-0645	-	Big 4 pin male to big 4 pin female, power extension 15cm, 20AWG,RoHS/REACH

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