

# SuperServer 5029S-TN2



X11SSV-Q

**Available Colors:**

Black



## Key Features

- **Embedded, Compact Mini Tower**
- **3 Independent Displays, M.2 slot, vPro**

1. Single socket H4 (LGA 1151) supports Intel® 6th Gen. Core i7/i5/i3 series, Intel® Celeron® and Intel® Pentium® processors
2. 4x 3.5" Hot-swap drive bays, 2x 2.5" fixed drive bays, support total of 5 hard drives
3. 1x PCI-E 3.0 x16 slot, 1x Mini-PCIe with mSATA support, 1x M.2 (M key 2242/2280 PCI-E 3.0 x4)
4. Up to 32GB Unbuffered Non-ECC UDIMM DDR4 2133MHz; 2 DIMM slots
5. 1x GbE LAN with Intel® i210-AT  
1x GbE LAN with Intel® PHY i219LM
6. HDMI, DP (Display Port), DVI-I, 3x Independent Displays
7. 250W Flex ATX Multi-output Bronze Power Supply
8. 7-year life cycle

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

## Specifications

### Product SKUs

- SYS-5029S-TN2** ■ SuperServer 5029S-TN2 (**Black**)

### Motherboard

**Super X11SSV-Q**

### Processor/Cache

- CPU**
- Intel® 6th Gen Core i7/i5/i3 series, Intel® Celeron®, Intel® Pentium® processors; CPU TDP support up to 80W TDP
  - Single Socket H4 (LGA 1151)

### System Memory

- Memory Capacity**
- 2x 260-pin DDR4 SODIMM slots
  - Up to 32GB DDR4 Non-ECC UDIMM
- Memory Type**
- 2133/1866/1600MHz Non-ECC DDR4 SDRAM 72-bit, 260-pin gold-plated SODIMMs

### 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 Overheat LED

|                             |   |
|-----------------------------|---|
| <b>DIMM Sizes</b>           | <ul style="list-style-type: none"> <li>16GB, 8GB, 4GB</li> </ul>  |
| <b>Memory Voltage</b>       | <ul style="list-style-type: none"> <li>1.2 V</li> </ul>   |
| <b>On-Board Devices</b>     |   |
| <b>Chipset</b>              | <ul style="list-style-type: none"> <li>Intel® Q170 Express Chipset</li> </ul>   |
| <b>SATA</b>                 | <ul style="list-style-type: none"> <li>Onboard controller for 4x SATA3 (6Gbps) ports with RAID 0, 1, 5, 10</li> </ul>   |
| <b>Network Controllers</b>  | <ul style="list-style-type: none"> <li>Intel® PHY i219LM + Intel® i210AT Gigabit Ethernet LAN Controllers</li> <li>Virtual Machine Device Queues reduce I/O overhead</li> <li>Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> </ul> |
| <b>Audio</b>                | <ul style="list-style-type: none"> <li>RealTek ALC 888S High Definition Audio</li> </ul>  |
| <b>Input / Output</b>       |   |
| <b>Serial ATA</b>           | <ul style="list-style-type: none"> <li>5x SATA 3.0 ports (6Gbps) including 1x mSATA</li> <li>Raid 0, 1, 5, 10</li> </ul>  |
| <b>LAN</b>                  | <ul style="list-style-type: none"> <li>2x RJ45 Gigabit Ethernet LAN ports</li> </ul>  |
| <b>USB</b>                  | <ul style="list-style-type: none"> <li>4x USB 3.0 ports (rear)</li> <li>2x USB 2.0 ports (front)</li> <li>1x USB 2.0 Type A</li> </ul>  |
| <b>Audio</b>                | <ul style="list-style-type: none"> <li>2 port jack</li> </ul>   |
| <b>Video/Display</b>        | <ul style="list-style-type: none"> <li>1x HDMI, 1x DP (Display Port), 1x DVI-I, Intel® HD Graphics, 3x Independent Displays</li> </ul>  |
| <b>Serial Port / Header</b> | <ul style="list-style-type: none"> <li>2x COM ports (2 rear)</li> </ul>   |
| <b>DOM</b>                  | <ul style="list-style-type: none"> <li>SATA DOM (Disk on Module) power connector support</li> </ul>   |
| <b>TPM</b>                  | <ul style="list-style-type: none"> <li>1x TPM 20-pin Header</li> </ul>  |
| <b>Management</b>           |   |
| <b>Software</b>             | <ul style="list-style-type: none"> <li><a href="#">SuperDoctor® 5</a></li> <li>Watch Dog</li> <li>AMT</li> <li>NMI</li> <li>vPro</li> </ul>   |

|  |   |
|--|---|
| <b>Expansion Slots</b>                         |   |
| <b>PCI-E</b>                                   | <ul style="list-style-type: none"> <li>1x PCI-E 3.0 x16 slot</li> <li>1x Mini-PCIe with mSATA support</li> </ul>  |
| <b>Drive Bays</b>                              |   |
| <b>HDD</b>                                     | <ul style="list-style-type: none"> <li>4x 3.5" Hot-swap drive bays</li> <li>2x 2.5" internal drive bays</li> </ul>  |
| <b>Peripheral</b>                              | <ul style="list-style-type: none"> <li>1x slim DVD-ROM drive bay (shared with 1x 2.5" internal drive bay)</li> </ul>  |
| <b>Power Supply</b>                            |   |
| 250W Flex ATX Multi-output Bronze Power Supply |   |
| <b>AC Voltage</b>                              | <ul style="list-style-type: none"> <li>100 - 240V, 50 - 60Hz, 5Amp</li> </ul>   |
| <b>+5V</b>                                     | <ul style="list-style-type: none"> <li>Max:14 Amp; Min:0.5 Amp</li> </ul>   |
| <b>+12V</b>                                    | <ul style="list-style-type: none"> <li>Max:18 Amp; Min:1 Amp @100V-240V</li> </ul>  |
| <b>-12V</b>                                    | <ul style="list-style-type: none"> <li>Max: 3 Amp; Min: 0 Amp</li> </ul>  |
| <b>+3.3V</b>                                   | <ul style="list-style-type: none"> <li>Max: 12 Amp Min: 0.3Amp</li> </ul>   |
| <b>5VSB</b>                                    | <ul style="list-style-type: none"> <li>Max: 2.5 Amp Min: 0 Amp</li> </ul>   |
| <b>Certification</b>                           |  <b>Bronze Certified</b>   |
| <b>System BIOS</b>                             |   |
| <b>BIOS Type</b>                               | <ul style="list-style-type: none"> <li>128Mb SPI Flash EEPROM with AMI UEFI BIOS</li> </ul>   |
| <b>BIOS Features</b>                           | <ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>DMI 2.3</li> <li>PCI 3.0</li> <li>ACPI 5.0</li> <li>USB Keyboard support</li> <li>Hardware BIOS Virus protection</li> <li>SMBIOS 3.0</li> <li>UEFI 2.3.1</li> <li>RTC (Real Time Clock) Wakeup</li> </ul>                                 |
| <b>Operating Environment / Compliance</b>      |   |
| <b>RoHS</b>                                    | <ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>  |
| <b>Environmental Spec.</b>                     | <ul style="list-style-type: none"> <li>Operating Temperature: 0°C to 40°C (32°F to 104°F)</li> <li>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul> |

### Parts List

| Parts List - (Items Included) |                  |     |   |
|-------------------------------|------------------|-----|---|
|                               | Part Number      | Qty | Description   |
| <b>Motherboard / Chassis</b>  | MBD-X11SSV-Q     | 1   | Super X11SSV-Q Motherboard                                    |
|                               | CSE-721TQ-250B   | 1   | Mini Tower Chassis  |
| <b>Backplane</b>              | CSE-SAS-733TQ    | 1   | 4 x 16 SAS backplane w/SES-II                                 |
| <b>Cable 1</b>                | CBL-0473L        | 4   | 21cm 30AWG SATA S-S cable                                     |
| <b>Cable 2</b>                | CBL-0157L        | 1   | 8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF       |
| <b>Parts</b>                  | MCP-260-00070-0N | 1   | Standard I/O Shield for X10SLV with EMI Gasket,RoHS/REACH,PBF |
| <b>Power Supply</b>           | PWS-251-1H       | 1   | 1U 250W Flex ATX Multi-output Bronze Power Supply             |

**Optional Parts List**

|                         | <b>Part Number</b>  | <b>Qty</b> | <b>Description</b>   |
|-------------------------|---------------------|------------|--|
| <b>DVD-RW</b>           | DVM-TEAC-DVDRW-SBT3 | -          | 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 |