

SuperServer 5029S-TN2

[Products](#)
▶ [Systems](#)
▶ [Mini-Tower](#)
▶ [\[5029S-TN2 \]](#)



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

Available Colors:
Black

- [▶ Drivers & Utilities](#)
[▶ BIOS](#)
[▶ IPMI](#)
[▶ Tested Memory](#)
- [▶ Tested M.2 List](#)
[▶ Manuals](#)
[▶ OS Certification Matrix](#)
[▶ Drive Options](#)

Key Features

- **Embedded, Compact Mini Tower**
 - **3 Independent Displays, M.2 slot, vPro**
1. Single socket H4 (LGA 1151) supports Intel® 7th/6th Gen. Core i7/i5/i3 series, Intel® Celeron® and Intel® Pentium® processors
 2. 4 Hot-swap 3.5" drive bays, 2 fixed 2.5" drive bays, support total of 5 hard drives
 3. 1 PCI-E 3.0 x16 slot, 1 Mini-PCIe with mSATA support, 1 M.2 (M key 2242/2280 PCI-E 3.0 x4)
 4. Up to 32GB Unbuffered Non-ECC UDIMM DDR4 2400MHz; 2 DIMM slots
 5. 1 GbE LAN with Intel® i210-AT
1 GbE LAN with Intel® PHY i219LM
 6. HDMI, DP (Display Port), DVI-I, 3 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® 7th/6th Gen Core i7/i5/i3 series, Intel® Celeron®, Intel® Pentium® processors; CPU TDP support up to 80W TDP ■ Single Socket H4 (LGA 1151)
Note	BIOS version 2.0 or above is required to support 7th Generation Intel® Core™ Processors
System Memory	
Memory Capacity	■ 2x 260-pin DDR4 SODIMM slots ■ Up to 32GB DDR4 Non-ECC UDIMM
Memory Type	■ 2400/2133/1866/1600MHz Non-ECC DDR4 SDRAM 72-bit, 260-pin gold-plated SODIMMs
DIMM Sizes	■ 16GB, 8GB, 4GB
Memory Voltage	■ 1.2 V
On-Board Devices	
Chipset	■ Intel® Q170 Express Chipset
SATA	■ Onboard controller for 4x SATA3 (6Gbps) ports with RAID 0, 1, 5, 10
Network Controllers	■ Intel® PHY i219LM + Intel® i210AT Gigabit Ethernet LAN Controllers ■ Virtual Machine Device Queues reduce I/O overhead ■ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Audio	■ RealTek ALC 888S High Definition Audio
Input / Output	
Serial ATA	■ 5 SATA 3.0 ports (6Gbps) including 1 mSATA ■ Raid 0, 1, 5, 10
LAN	■ 2 RJ45 Gigabit Ethernet LAN ports
USB	■ B 3.0 ports (rear) ■ B 2.0 ports (front) ■ B 2.0 Type A

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
Expansion Slots	
PCI-E	■ 1 PCI-E 3.0 x16 slot ■ 1 Mini-PCIe with mSATA support
Drive Bays	
HDD	■ 4 Hot-swap 3.5" drive bays ■ 2 internal 2.5" drive bays
Peripheral	■ 1 slim DVD-ROM drive bay (shared with 1 internal 2.5" drive bay)
Power Supply	
250W Flex ATX Multi-output Bronze Power Supply	
AC Voltage	■ 100 - 240V, 50 - 60Hz, 5Amp
+5V	■ Max:14 Amp; Min:0.5 Amp
+12V	■ Max:18 Amp; Min:1 Amp @100V-240V
-12V	■ Max: 3 Amp; Min: 0 Amp
+3.3V	■ Max: 12 Amp Min: 0.3Amp
5VSB	■ Max: 2.5 Amp Min: 0 Amp
Certification	Bronze Certified
System BIOS	
BIOS Type	■ 128Mb SPI Flash EEPROM with AMI UEFI BIOS

Audio	<ul style="list-style-type: none"> 2 port jack
Video/Display	<ul style="list-style-type: none"> 1 HDMI, 1 DP (Display Port), 1 DVI-I, Intel® HD Graphics, 3 Independent Displays
Serial Port / Header	<ul style="list-style-type: none"> 2 COM ports (2 rear)
DOM	<ul style="list-style-type: none"> SATA DOM (Disk on Module) power connector support
TPM	<ul style="list-style-type: none"> 1 TPM 20-pin Header
Management	
Software	<ul style="list-style-type: none"> SuperDoctor® 5 Watch Dog AMT NM vPro

BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) DMI 2.3 PCI 3.0 ACPI 5.0 USB Keyboard support Hardware BIOS Virus protection SMBIOS 3.0 UEFI 2.3.1 RTC (Real Time Clock) Wakeup
Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> 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)

Parts List

[See Parts List](#)