

SuperServer 5029S-TN2



Integrated Board



[\(/products/motherboard/Core/Q170/X11SSV-Q.cfm\)](https://products/motherboard/Core/Q170/X11SSV-Q.cfm)

[X11SSV-Q \(/products/motherboard/Core/Q170/X11SSV-Q.cfm\)](https://products/motherboard/Core/Q170/X11SSV-Q.cfm)

Views: | [Front View \(/a_images/products/views/5029S-TN2_front.jpg\)](#) | [Rear View \(/a_images/products/views/5029S-TN2_rear.jpg\)](#) | [Angled View \(/a_images/products/views/5029S-TN2_angle.jpg\)](#) | [Side View \(/a_images/products/views/5029S-TN2_side1.jpg\)](#) | [Side View \(/a_images/products/views/5029S-TN2_side2.jpg\)](#) |

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. 350W Flex ATX Multi-output Gold Power Supply
8. 7-year life cycle

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested Memory](#)

[Tested M.2 List \(/zh_tw/support/resources/m2ssd?SystemID=85063&ProductName=SS5029S-TN2.\)](#)

[Manuals](#)

[OS Certification Matrix \(/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2D5029S%2DTN2.\)](#)

[Drive Options](#)

Note: Image above may show a varied configuration of 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
(/products/motherboard/Core/Q170/X11SSV-Q.cfm).

Processor/Cache

CPU
Intel® 7th/6th Gen Core i7/i5/i3 series, Intel® Celeron®, Intel® Pentium® processors; CPU TDP support up to 65W 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
4 USB 3.0 ports (rear)
2 USB 2.0 ports (front)
1 USB 2.0 Type A
Audio
2 port jack
Video/Display
1 HDMI, 1 DP (Display Port), 1 DVI-I, Intel® HD Graphics, 3 Independent Displays
Serial Port / Header
2 COM ports (2 rear)
DOM
SATA DOM (Disk on Module) power connector support

Chassis

Form Factor
Mini Tower
Model
CSE-721TQ-350B (/en/products/chassis/tower/721/SC: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

Expansion Slots

PCI-E
1 PCI-E 3.0 x16 slot
1 Mini-PCIe with mSATA support
M.2
M key 2242/2280 PCI-E 3.0 x4

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

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

TPM
1 TPM 20-pin Header

Management

Software
[SuperDoctor® 5 \(/products/nfo/SMS_SD5.cfm\)](#)
Watch Dog
AMT
NMI
vPro

Certification
<http://www.pluginloadsolutions.com/80PlusPowerSupply>
[id=69&type=2](#))  **Gold Certified**
[\(/products/powersupply/80PLUS/80PLUS_PWS-201-1H.p](#)

System BIOS

BIOS Type
128Mb SPI Flash EEPROM with AMI UEFI BIOS
BIOS Features
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
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:

Parts List

Global SKU (/zh_tw/products/SMC_global_skus)