

SuperServer 5029S-TN2



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

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

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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-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 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

TPM 1 TPM 20-pin Header

Management

Software [SuperDoctor® 5](#)
Watch Dog
AMT
NMI
vPro

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

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

Certification [Gold Certified](#)

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:
5% to 95% (non-condensing)

Parts List ^

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SSV-Q	1	Super X11SSV-Q Motherboard
	CSE-721TQ-350B	1	Mini Tower Chassis
Backplane	CSE-SAS-733TQ	1	4x3.5" SAS2/SATA3 backplane w/SES-II
Cable 1	CBL-0473L	4	SATA,INT,ROUND,ST-ST,21CM,30AWG
Cable 2	CBL-0157L	1	CBL,SGPIO,2X4F TO 2X4F,P2.54,RIBBON IN RND TUBE,40CM,28AWG
Parts	MCP-260-00070-1N	1	Standard I/O Shield for X11SSV-Q with EMI Gasket
Power Supply	PWS-353-1H	1	1U Flex ATX 350W Multi-output Gold Power Supply

Optional Parts List

	Part Number	Qty	Description
DVD-RW	DVM-TEAC-DVDRW-SBT3	-	BLACK TEAC SLIM DVD-RW SATA DRIVE,HF,RoHS/REACH,PBF
DVD Kit	MCP-220-81502-0N	-	Slim SATA DVD kit
CPU Heatsink Fan	SNK-P0046A4	-	2U ACTIVE CPU HS FOR INTEL LGA1156
Power Cable	CBL-PWEX-0645	-	Big 4 pin male to big 4 pin female, power extension 15cm, 20AWG,RoHS/REACH

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