

SuperServer 5029AP-TN2



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



Key Features

- Embedded, Compact Mini Tower**
- 2 Independent Displays, M.2 slot**
- 7 Years product life cycle**
- 1. Intel® Atom processor E3940, SoC, FCBGA 1296
- 2. 4 Hot-swap 3.5" SATA3 HDD, 2 internal 2.5" fixed HDD
- 3. 1 PCI-E 2.0 x2 (in x8) slot, 1 M.2 PCIe 2.0 x2, M Key 2242/80, 1 Mini-PCIe with mSATA support
- 4. Up to 8GB Unbuffered non-ECC DDR3-1866MHz SO-DIMM in 1 DIMM slot
- 5. Dual GbE LAN ports via Intel I210-AT
- 6. 1 DP (Display Port), 1 HDMI, 1 VGA, 1 Intel® HD Graphics, 2 Independent Displays
- 7. 2 USB 3.0 (rear), 4 USB 2.0 (2 rear, 2 front), 1 USB 2.0 Type A
- 8. 250W Flex ATX Multi-output Bronze Power Supply

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested Memory](#) | [Tested M.2 List](#) | [Manuals](#) | [OS Certification Matrix](#) | [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-5029AP-TN2 SuperServer 5029AP-TN2 (**Black**)

Motherboard

Super A2SAV

Processor/Cache

CPU Intel® Atom™ Processor E3940
FCBGA 1296
System-on-Chip

System Memory

Memory Capacity 1x 204-pin DDR3 SO-DIMM socket
Memory Type 1866/1600/1333MHz Unbuffered non-ECC SO-DIMM DDR3, 204-pin gold-plated DIMMs
DIMM Sizes 8GB, 4GB, 2GB
Memory Voltage 1.5 V, 1.35 V

On-Board Devices

SATA SoC controller for 2 SATA3 (6Gbps) ports
Marvel 88SE9230 controller for 4 SATA3 (6Gbps) ports; RAID 0, 1, 5, 10
Network Controllers Dual GbE LAN with Intel i210-AT controller
Virtual Machine Device Queues reduce I/O overhead
Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Video Intel HD Graphics

Input / Output

SATA 6 SATA3 (6Gbps) ports
LAN 2 RJ45 Gigabit Ethernet LAN ports
USB 2 USB 3.0 (2 rear)
4 USB 2.0 (2 rear, 2 front)
1 USB 2.0 (Type A)
COM Port 2 serial ports
DOM 1 SATA DOM (Disk on Module) power connector
Video 1 VGA, 1 DP (Display Port), 1 HDMI, 1 eDP (Embedded Display Port), 1 Intel HD Graphics
TPM 1 TPM 1.2 onboard Header

Management

Software [SuperDoctor® 5](#)
Watch Dog
Power Configurations ACPI Power Management
ATX Power connector
Control of power-on for recovery from AC power loss
CPU thermal trip support for processor protection

Chassis

Form Factor Mini Tower
Model [CSE-721TQ-250B](#)

Dimensions and Weight

Height 9.45" (240mm) / 13.78" (350mm) pkg.
Width 8.27" (210mm) / 12.4" (315mm) pkg.
Depth 11" (279mm) / 16.14" (410mm) pkg.
Weight Net 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 2.0 x2 (in x8) slot
1 M.2 PCIe 2.0 x2, M Key 2242/80
1 Mini-PCIe with mSATA

Drive Bays

HDD 4 Hot-swap 3.5" drive bays
2 Internal 2.5" fixed drive bays
Peripheral 1 slim DVD-ROM drive bay (shared with 1 internal 2.5" fixed drive bay)

Power Supply

250W Flex ATX Multi-output Bronze Power Supply

AC Voltage 100 - 240V, 50 - 60Hz
+5V Max:14 Amp; Min:0.5 Amp
+12V Max:18 Amp; Min:1 Amp @100V-240V
-12V Max: 0.3 Amp
+3.3V Max: 12 Amp Min: 0.3Amp
5VSB Max: 2.5 Amp

Certification



[Bronze Certified](#)

System BIOS

BIOS Type 64Mb SPI Flash EEPROM with AMI UEFI BIOS
BIOS Features Plug and Play (PnP)
DMI 2.3
ACPI 5.0
USB Keyboard support
SMBIOS 2.7.1
UEFI

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 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-A2SAV | 1 | Super A2SAV Motherboard |
| | CSE-721TQ-250B | 1 | Mini Tower Chassis |
| Backplane | CSE-SAS-733TQ | 1 | 4x3.5" SAS2/SATA3 backplane w/SES-II |
| Cable 1 | CBL-0483L | 1 | SATA,INT,ROUND,ST-ST,29CM,30AWG |
| Cable 2 | CBL-0473L | 5 | SATA,INT,ROUND,ST-ST,21CM,30AWG |
| Parts | MCP-260-00058-0N | 1 | Standard I/O Shield for X9SCAA/-L with EMI Gasket |
| Power Supply | PWS-251-1H | 1 | 1U 250W Flex ATX Multi-output Bronze 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 |
| Power Cable | CBL-PWEX-0645 | - | Big 4 pin male to big 4 pin female, power extension 15cm, 20AWG,RoHS/REACH |

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