

# SuperServer 5028L-TN2



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.



X10SLV-Q

## Key Features

**Compact Cloud Server**  
**Database Processing & Storage**  
**High Performance NAS Servers**  
**Business Intelligence**  
**Security Appliance, Surveillance**  
**Web Server for SMB**

1. Single socket H3 (LGA 1150) supports Intel® Xeon® E3-1200 v3, 4th gen. Core i7/i5/i3, Pentium, Celeron processors
2. 4x 3.5" Hot-swap drive bays, 2x 2.5" fixed drive bays
3. 1x PCI-E 3.0 x16 slot, 1x Mini-PCIe with mSATA support
4. Up to 16GB DDR3 non-ECC 1600MHz SODIMM in 2 sockets
5. Dual Gigabit Ethernet LAN ports
6. Video: 1x Display Port, 1x HDMI, 1x DVI-I, 3x Independent Displays
7. 250W Flex ATX Multi-output Bronze Power Supply
8. 7-year life cycle

## Specifications ^

### Product SKUs

**SYS-5028L-TN2** SuperServer 5028L-TN2 (**Black**)

### Motherboard

**Super X10SLV-Q**

### Processor/Cache

**CPU** Intel® Xeon® processor E3-1200 v3 and 4th Gen Core i7/i5/i3, Pentium, Celeron processors  
 Single Socket H3 (LGA 1150)  
 Performance-Optimized with 84W TDP Processor

### System Memory

**Memory Capacity** 2x 204-pin DDR3 SODIMM slots  
 Supports up to 16 GB DDR3 non-ECC SODIMM

**Memory Type** 1600MHz non-ECC DDR3 SDRAM 64-bit, 204-pin gold-plated SODIMMs

**DIMM Sizes** 8GB, 4GB, 2GB, 1GB

**Memory Voltage** 1.5V, 1.35V

### On-Board Devices

**Chipset** Intel® Q87 Express Chipset

**SATA** Onboard controller for 4x SATA3 (6Gbps) ports with RAID 0, 1, 5, 10

**Network Controllers** Intel® i217 + Intel® i210AT Controllers  
 Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output

**Graphics** Intel HD 4600 Graphics, Processor Graphic

### Input / Output

**Serial ATA** 4x SATA 3.0 ports (6Gbps) including 1x mSATA  
 Raid 0, 1, 5, 10

**LAN** 2x RJ45 Gigabit Ethernet LAN ports

**USB** 2x USB 3.0 ports (rear)  
 5x USB 2.0 ports (2 rear, 2 via headers, 1 type A)

**Audio** HD Audio Front Panel Headers

**Display** 1x DisplayPort, 1x HDMI, 1x DVI-I, 3 Independent Displays

**DOM** SATA DOM (Disk on Module) power connector support

**Security** 1 TPM 1.2 20-pin Header

### Management

**Software** [SuperDoctor® III](#)  
 Watch Dog  
 NMI

### 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** 1x PCI-E 3.0 x16 slot  
 1x Mini-PCIe with mSATA support

### Drive Bays

**HDD** 4x 3.5" Hot-swap drive bays  
 2x 2.5" internal drive bays

**Peripheral** 1x slim DVD-ROM drive bay (shared with 1x 2.5" internal 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** 128Mb SPI Flash EEPROM with AMI UEFI BIOS

**BIOS Features** Plug and Play (PnP)  
 APM 1.2  
 DMI 2.3  
 PCI 2.3  
 ACPI 1.0 / 2.0 / 3.0 / 4.0  
 USB Keyboard support  
 Hardware BIOS Virus protection  
 SMBIOS 2.7.1  
 UEFI  
 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:  
 -20°C to 60°C (-4°F to 140°F)  
 Operating Relative Humidity:  
 10% to 85% (non-condensing)  
 Non-operating Relative Humidity:  
 10% to 95% (non-condensing)

## Parts List ^

### Parts List - (Items Included)

	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X10SLV-Q	1	Super X10SLV-Q Motherboard
	CSE-721TQ-250B	1	Mini Tower Chassis
<b>Backplane</b>	CSE-SAS-733TQ	1	4x3.5" SAS2/SATA3 backplane w/SES-II
<b>Cable 1</b>	CBL-0473L	4	SATA,INT,ROUND,ST-ST,21CM,30AWG

### Optional Parts List

	Part Number	Qty	Description
<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

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