

# SuperServer 5028A-TN4



Available Colors:      Black     

[▶ Drivers & Utilities](#)   ▶ [BIOS](#)   ▶ [IPMI](#)   ▶ [Tested Memory](#)   ▶ [Manuals](#)   ▶ [OS Certification Matrix](#)   ▶ [Drive Options](#)

## Key Features

- Space-efficient, compact design
- Embedded Applications
- Cloud and Virtualization
- NAS Servers
- SOHO Entry-Level Server
- Corporate- WINS, DNS, Print, Login
- e-Business

1. Intel® Atom processor C2758, SoC, FCBGA 1283, 20W 8-Core
2. 4x 3.5" Hot-swap SATA Trays; 2x 2.5" internal HDD bays
3. 1x PCI-E 2.0 x8 slot
4. Up to 64GB ECC SODIMM 4 DIMM slots
5. Quad LAN with Intel® C2000 SoC
6. 250W Flex ATX Multi-output Bronze Power Supply

Note: Image above may show a varied configuration or optional parts, Please refer to parts list for standard parts included.

## Specifications

### Product SKUs

SYS-5028A-TN4      ■ SuperServer 5028A-TN4 (Black)

### Motherboard

Super A1SRi-2758F

### Processor/Cache

CPU      ■ Intel® Atom™ Processor C2758

### System Memory

Memory Capacity      ■ 4x 204-pin DDR3 SO-DIMM slots  
                                  ■ Supports up to 64GB DDR3 ECC memory

Memory Type      ■ 1600/1333MHz ECC DDR3 SDRAM 72-bit, 204-pin gold-plated DIMMs

DIMM Sizes      ■ 16GB, 8GB, 4GB, 2GB

Memory Voltage      ■ 1.5 V, 1.35 V

### On-Board Devices

SATA      ■ SoC SATA3 (6Gbps), SATA2 (3Gbps)  
                  ■ C2000 Soc I354 Quad GbE Controllers

### 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 2.0 x8 slot

Network Controllers	(MACs) <ul style="list-style-type: none"> <li>Virtual Machine Device Queues reduce I/O overhead</li> <li>Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> </ul>
IPMI	<ul style="list-style-type: none"> <li>Support for Intelligent Platform Management Interface v.2.0</li> <li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>ASPEED AST2400 BMC</li> </ul>
Graphics	<ul style="list-style-type: none"> <li>BMC integrated ASPEED AST2400</li> </ul>
USB 3.0	<ul style="list-style-type: none"> <li>Renesas uPD720201</li> </ul>

### Input / Output

Serial ATA	<ul style="list-style-type: none"> <li>2x SATA3 (6Gbps) ports</li> <li>4x SATA2 (3Gbps) ports</li> </ul>
LAN	<ul style="list-style-type: none"> <li>4x RJ45 Gigabit Ethernet LAN ports</li> <li>1x RJ45 Dedicated IPMI LAN port</li> </ul>
USB	<ul style="list-style-type: none"> <li>3x USB 3.0 ports (2 rear, 1 Type A)</li> </ul>
Serial Port	<ul style="list-style-type: none"> <li>1x Fast UART 16550 Serial Port (rear)</li> </ul>
DOM	<ul style="list-style-type: none"> <li>1x SATA DOM (Disk on Module) power connector</li> </ul>
VGA	<ul style="list-style-type: none"> <li>1x VGA Port</li> </ul>
Others	<ul style="list-style-type: none"> <li>TPM 1.2 header</li> </ul>

### Management

Software	<ul style="list-style-type: none"> <li><a href="#">SuperDoctor® 5</a></li> <li>Watch Dog</li> <li>NMI</li> </ul>
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<b>Drive Bays</b>	
HDD	<ul style="list-style-type: none"> <li>4x 3.5" Hot-swap SATA trays</li> <li>2x 2.5" internal HDD bays</li> </ul>
<b>Power Supply</b>	
250W Flex ATX Multi-output Bronze Power Supply	
AC Voltage	<ul style="list-style-type: none"> <li>100 - 240V, 50 - 60Hz, 5Amp</li> </ul>
+5V	<ul style="list-style-type: none"> <li>Max:14 Amp; Min:0.5 Amp</li> </ul>
+12V	<ul style="list-style-type: none"> <li>Max:18 Amp; Min:1 Amp @100V-240V</li> </ul>
-12V	<ul style="list-style-type: none"> <li>Max: 3 Amp; Min: 0 Amp</li> </ul>
+3.3V	<ul style="list-style-type: none"> <li>Max: 12 Amp Min: 0.3Amp</li> </ul>
5VSB	<ul style="list-style-type: none"> <li>Max: 2.5 Amp Min: 0 Amp</li> </ul>
Certification	 <a href="#">Bronze Certified</a>
<b>System BIOS</b>	
BIOS Type	<ul style="list-style-type: none"> <li>64Mb SPI Flash EEPROM with AMI UEFI BIOS</li> </ul>
BIOS Features	<ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>DMI 2.3</li> <li>ACPI 5.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.7.1</li> <li>UEFI</li> </ul>
<b>Operating Environment / Compliance</b>	
RoHS	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
Environmental Spec.	<ul style="list-style-type: none"> <li>Operating Temperature: 0°C to 40°C (32°F to 104°F)</li> <li>Non-operating Temperature: -20°C to 60°C (-4°F to 140°F)</li> <li>Operating Relative Humidity: 10% to 85% (non-condensing)</li> <li>Non-operating Relative Humidity: 10% to 95% (non-condensing)</li> </ul>

## Parts List

### Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-A1SRi-2758F	1	Super A1SRi-2758F Motherboard
	CSE-721TQ-250B	1	Mini Tower Chassis
Backplane	CSE-SAS-733TQ	1	4 x 1ö SAS backplane w/SES-II
Cable 1	CBL-0473L	4	21cm 30AWG SATA S-S cable

### 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