

# SuperServer 5028A-TN4



## 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

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

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested Memory](#) | [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	
<b>SYS-5028A-TN4</b>	SuperServer 5028A-TN4 (Black)
Motherboard	
<b>Super A1SRi-2758F</b>	
Processor/Cache	
<b>CPU</b>	Intel® Atom™ Processor C2758
System Memory	
<b>Memory Capacity</b>	4x 204-pin DDR3 SO-DIMM slots Supports up to 64GB DDR3 ECC memory
<b>Memory Type</b>	1600/1333MHz ECC DDR3 SDRAM 72-bit, 204-pin gold-plated DIMMs
<b>DIMM Sizes</b>	16GB, 8GB, 4GB, 2GB
<b>Memory Voltage</b>	1.5 V, 1.35 V
On-Board Devices	
<b>SATA</b>	SoC SATA3 (6Gbps), SATA2 (3Gbps)
<b>Network Controllers</b>	C2000 Soc I354 Quad GbE Controllers (MACs) Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
<b>IPMI</b>	Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ASPEED AST2400 BMC
<b>Graphics</b>	BMC integrated ASPEED AST2400
<b>USB 3.0</b>	Renesas uPD720201
Input / Output	
<b>Serial ATA</b>	2x SATA3 (6Gbps) ports 4x SATA2 (3Gbps) ports
<b>LAN</b>	4x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
<b>USB</b>	3x USB 3.0 ports (2 rear, 1 Type A)
<b>Serial Port</b>	1x Fast UART 16550 Serial Port (rear)
<b>DOM</b>	1x SATA DOM (Disk on Module) power connector
<b>VGA</b>	1x VGA Port
<b>Others</b>	TPM 1.2 header
Management	
<b>Software</b>	<a href="#">SuperDoctor® 5</a> Watch Dog NMI

Chassis	
<b>Form Factor</b>	Mini Tower
<b>Model</b>	<a href="#">CSE-721TQ-250B</a>
Dimensions and Weight	
<b>Height</b>	9.45" (240mm)
<b>Width</b>	8.27" (210mm)
<b>Depth</b>	11" (279mm)
<b>Weight</b>	Gross Weight: 15 lbs (6.8 kg)
<b>Available Colors</b>	Black
Front Panel	
<b>Buttons</b>	Power On/Off button System Reset button
<b>LEDs</b>	Power LED Hard drive activity LED Network activity LEDs System Overheat LED
Expansion Slots	
<b>PCI-E</b>	1x PCI-E 2.0 x8 slot
Drive Bays	
<b>HDD</b>	4x 3.5" Hot-swap SATA trays 2x 2.5" internal HDD bays
Power Supply	
250W Flex ATX Multi-output Bronze Power Supply	
<b>AC Voltage</b>	100 - 240V, 50 - 60Hz
<b>+5V</b>	Max:14 Amp; Min:0.5 Amp
<b>+12V</b>	Max:18 Amp; Min:1 Amp @100V-240V
<b>-12V</b>	Max: 0.3 Amp
<b>+3.3V</b>	Max: 12 Amp Min: 0.3Amp
<b>5VSB</b>	Max: 2.5 Amp
<b>Certification</b>	<a href="#">Bronze Certified</a>
System BIOS	
<b>BIOS Type</b>	64Mb SPI Flash EEPROM with AMI UEFI BIOS
<b>BIOS Features</b>	Plug and Play (PnP) DMI 2.3 ACPI 5.0 USB Keyboard support SMBIOS 2.7.1 UEFI
Operating Environment / Compliance	
<b>RoHS</b>	RoHS Compliant
<b>Environmental Spec.</b>	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-A1SRi-2758F	1	Super A1SRi-2758F 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>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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