

SuperServer 5019A-12TN4



Key Features

- Virtual Router
- FireWall Applications
- Virtualization
- Low Power, Low Cost Applications

1. Intel® Atom® processor C3850, Single socket FCBGA 1310; TDP 25W
2. 1x 3.5" or 4x 2.5" internal drive bays
3. 1 PCI-E 3.0 x4, 1 mini PCIe with mSATA support (half card only)
4. Up to 64GB Unbuffered ECC/non-ECC SO-DIMM, up to DDR4-2400MHz, in 4 DIMM slots
5. 4x 1GbE LAN, 1 dedicated IPMI LAN
6. 2 USB 3.0, 1 VGA, 1 SATA support SuperDOM, TPM
7. 2x 13K RPM cooling fans
8. 200W Low-noise AC-DC power supply

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

Specifications

Product SKUs

SYS-5019A-12TN4	<ul style="list-style-type: none"> ▪ SuperServer 5019A-12TN4 (Black)
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Motherboard

Super A2SDi-LN4F

Processor/Cache

CPU	<ul style="list-style-type: none"> ▪ Intel® Atom® processor C3850 ▪ FCBGA 1310 supported ▪ CPU TDP support 25W
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System Memory

Memory Capacity	<ul style="list-style-type: none"> ▪ 4 DDR4 DIMM sockets ▪ Supports up to 64GB DDR4 ECC/non-ECC SODIMM
Memory Type	<ul style="list-style-type: none"> ▪ 2400/2133/1866/1600MHz ECC DDR4 SDRAM
DIMM Sizes	<ul style="list-style-type: none"> ▪ 16GB, 8GB, 4GB
Memory Voltage	<ul style="list-style-type: none"> ▪ 1.2 V

Chassis

Form Factor	<ul style="list-style-type: none"> ▪ 1U Rackmount
Model	<ul style="list-style-type: none"> ▪ CSE-504-203B


Dimensions and Weight

Height	<ul style="list-style-type: none"> ▪ 1.7" (43mm)
Width	<ul style="list-style-type: none"> ▪ 17.2" (437mm)
Depth	<ul style="list-style-type: none"> ▪ 9.8" (249mm)
Weight	<ul style="list-style-type: none"> ▪ Net Weight: 8 lbs (3.62 kg) ▪ Gross Weight: 10 lbs (4.54 kg)
Available Colors	<ul style="list-style-type: none"> ▪ Black

Front Panel

Buttons	<ul style="list-style-type: none"> ▪ Power On/Off button ▪ System Reset button
LEDs	<ul style="list-style-type: none"> ▪ Power LED ▪ Hard drive activity LED ▪ Network activity LEDs ▪ System Information LED ▪ Information LED (temp., status)

Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors
On-Board Devices	
SATA	<ul style="list-style-type: none"> SoC controller for 4 SATA3 (6Gbps) ports
Network Controllers	<ul style="list-style-type: none"> Quad Gigabit Ethernet LAN via Intel® I350-AM4
IPMI	<ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Graphics	<ul style="list-style-type: none"> BMC integrated ASPEED AST2400
Input / Output	
SATA	<ul style="list-style-type: none"> 4 SATA3 (6Gbps) ports
LAN	<ul style="list-style-type: none"> 4 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 2 USB 3.0 ports (rear)
DOM	<ul style="list-style-type: none"> 1 SATA DOM (Disk on Module) power connector
VGA	<ul style="list-style-type: none"> 1 VGA Port
Others	<ul style="list-style-type: none"> TPM header

Expansion Slots	
PCI-E	<ul style="list-style-type: none"> 1 PCI-E 3.0 x4 slot 1 M.2 PCI-E 3.0 x4 with SATA support, M Key 2242/2280
Drive Bays	
HDD	<ul style="list-style-type: none"> 1x 3.5" or 4x 2.5" internal hard drive bays
System Cooling	
Fans	<ul style="list-style-type: none"> 2x 13K RPM PWM cooling fans, Optional 1x 40x28mm 4-PIN PWM Fan
Power Supply	
200W Low Noise AC-DC power supply with PFC	
AC Voltage	<ul style="list-style-type: none"> 100 - 240V, 50-60Hz, 2.6 Amp Max
+5V	<ul style="list-style-type: none"> 8.0 Amp (max.)
+5V standby	<ul style="list-style-type: none"> 2.0 Amp (max.)
+12V	<ul style="list-style-type: none"> 16 Amp (max.)
-12V	<ul style="list-style-type: none"> 0.5 Amp (max.)
+3.3V	<ul style="list-style-type: none"> 8.0 Amp (max.)
Certification	 Gold Certified
System BIOS	
BIOS Type	<ul style="list-style-type: none"> AMI UEFI
Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> 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-A2SDi-LN4F	1	Super A2SDi-LN4F Motherboard
	CSE-504-203B	1	1U Chassis
Cable 1	CBL-0061L	1	SATA,INT,FLAT,31.5CM,26AWG
FAN 1	FAN-0065L4	2	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M
Parts	MCP-120-00063-0N	1	Riser card bracket for slot-7 in SC504
Parts	MCP-260-00100-0B	1	1U I/O Shield
Air Shroud	MCP-310-50501-0B	1	mylar air shroud for SC504/505 with X10SDV, HF, RoHS/REACH
Fan Holder	MCP-320-81302-0B	2	Optional fan tray for one 40x28mm fan in SC813T/SC813LT-single PWS (Fan tray only)
Riser Card	RSC-RR1U-E8	1	RSC-RR1U-E8

Optional Parts List			
	Part Number	Qty	Description
HDD Bracket	MCP-220-00044-0N	-	Dual 2.5" fixed HDD bracket for SC502, 503, 510, 512, 515U
SuperDOM	-	-	Supermicro SATA DOM Solutions [Details]