

SuperServer 5019A-12TN4



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

Key Applications

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

Key Features

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

Specifications ^

Product SKUs

SYS-5019A-12TN4 SuperServer 5019A-12TN4 (**Black**)

Motherboard

Super A2SDi-LN4F

Processor

CPU Intel® Atom® processor C3850
FCBGA 1310 supported
CPU TDP support 25W

System Memory

Memory Capacity 4 DDR4 DIMM sockets
Supports up to 64GB DDR4 ECC/non-ECC SODIMM

Memory Type 2400/2133/1866/1600MHz ECC DDR4 SDRAM

DIMM Sizes 16GB, 8GB, 4GB

Memory Voltage 1.2 V

Error Detection Corrects single-bit errors

On-Board Devices

SATA SoC controller for 4 SATA3 (6Gbps) ports

Network Controllers Quad Gigabit Ethernet LAN via Intel® I350-AM4

IPMI Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

Graphics BMC integrated ASPEED AST2400

Input / Output

SATA 4 SATA3 (6Gbps) ports

LAN 4 RJ45 Gigabit Ethernet LAN ports
1 RJ45 Dedicated IPMI LAN port

USB 2 USB 3.0 ports (rear)

DOM 1 SATA DOM (Disk on Module) power connector

VGA 1 VGA Port

Others TPM header

Chassis

Form Factor 1U Rackmount

Model [CSE-504-203B](#)

Dimensions and Weight

Height 1.7" (43mm)

Width 17.2" (437mm)

Depth 9.8" (249mm)

Weight Net Weight: 8 lbs (3.62 kg)
Gross Weight: 10 lbs (4.54 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
Information LED (temp., status)

Expansion Slots

PCI-E 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 1x 3.5" or 4x 2.5" internal hard drive bays

System Cooling

Fans 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 100 - 240V, 50-60Hz, 2.6 Amp Max

+5V 8.0 Amp (max.)

+5V standby 2.0 Amp (max.)

+12V 16 Amp (max.)

-12V 0.5 Amp (max.)

+3.3V 8.0 Amp (max.)

Certification **Gold Certified**

System BIOS

BIOS Type AMI UEFI

Operating Environment / Compliance

RoHS RoHS Compliant

Environmental Spec. 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]

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