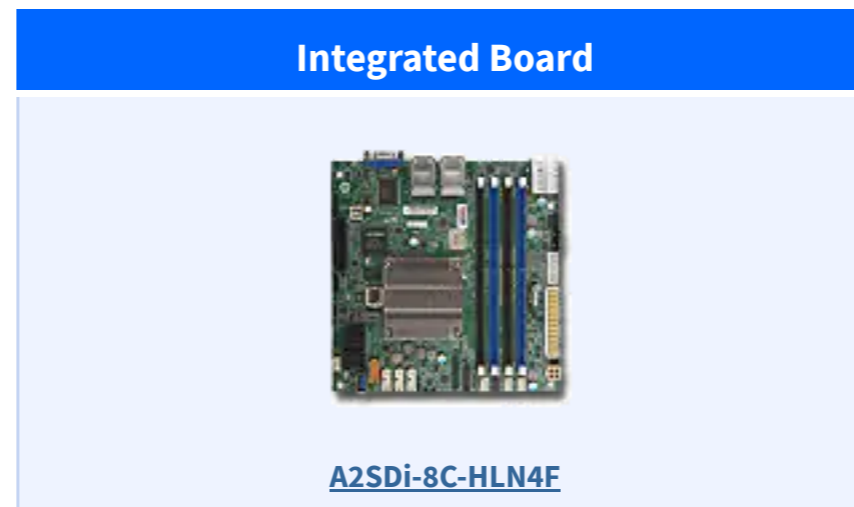


SuperServer 5019A-FTN4

Print



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

- [Drivers & Utilities](#) [BIOS](#) [IPMI](#) [Tested Memory](#) [Tested M.2 List](#) [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.

Key Applications

- Network Security Appliance
- Edge Computing Server
- Virtualization Server

Key Features

1. Intel® Atom® processor C3758, Single socket FCBGA 1310; 8-Core, TDP 25W
2. 1x 3.5" or 4x 2.5" internal drive bays
3. 1 PCI-E 3.0 x4, 1 M.2 (M key for SSD, 2242/2280, PCI-E 3.0 x2 or SATA3)
4. Up to 256GB ECC RDIMM DDR4 2400MHz or 64GB ECC/non-ECC UDIMM in 4 DIMM slots
5. 4 1GbE LAN, 1 dedicated IPMI LAN
6. 2 USB 2.0, 1 VGA, 1 SuperDOM, TPM
7. 2x 40x28mm 4-pin PWM fans, optional 1x 40x28mm 4-pin fan
8. 200W Low-noise AC-DC power supply



Specifications ^

Product SKUs

SYS-5019A-FTN4 SuperServer 5019A-FTN4 (Black)

Motherboard

Super A2SDi-8C-HLN4F

Processor

CPU Intel® Atom® processor C3758
FCBGA 1310 supported
CPU TDP support 25W

System Memory

Memory Capacity 4x DDR4 DIMM sockets
Supports up to 256GB DDR4 ECC RDIMM
Supports up to 64GB DDR4 ECC/non-ECC UDIMM

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

DIMM Sizes 64GB, 32GB, 16GB, 8GB, 4GB

Memory Voltage 1.2 V

Error Detection Corrects single-bit errors
Detects double-bit errors
(using ECC memory)

On-Board Devices

SATA SoC controller for 4 SATA3 (6Gbps) ports

Network Controllers Quad Gigabit Ethernet LAN via Intel® C3000 SoC
Virtual Machine Device Queues reduce I/O overhead
Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
1 Realtek RTL8201N PHY (dedicated IPMI)

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 2.0 ports (rear)

Serial Port 1 COM port (header)

DOM 1 SATA DOM (Disk on Module) power connector

VGA 1 VGA Port

Others TPM header

Chassis

Form Factor 1U Rackmount
Model [CSE-505-203B](#)

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: 12 lbs (5.44 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 x2, M Key 2242/2280

Drive Bays

HDD 1x 3.5" or 4x 2.5" internal hard drive bays (optional) *

System Cooling

Fans 2x 40x28mm 4-PIN PWM Fan, 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 BIOS

BIOS Features Plug and Play (PnP)
DMI 2.3
ACPI 5.0
USB Keyboard support
SMBIOS 2.7.1
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-8C-HLN4F	1	Super A2SDi-8C-HLN4F Motherboard
	CSE-505-203B	1	1U Chassis
Cable 1	CBL-0082L	1	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
Cable 2	CBL-0473L	2	SATA,INT,ROUND,ST-ST,21CM,30AWG
FAN 1	FAN-0065L4	2	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M
Drive Tray(s)	MCP-220-00051-0N	2	Single 2.5
Rear Window	MCP-240-00091-0N	2	1U universal riser card bracket for standard chassis,HF,RoHS/REACH,PBF
Parts	MCP-260-00085-0B	1	1U I/O Shield for A1SRM-LN7F on SC510 with EMI Gasket,RoHS/REACH
Fan Holder	MCP-320-81302-0B	3	Optional fan tray for one 40x28mm fan in SC813T/SC813LT-single PWS (Fan tray only)
Parts	MCP-340-00001-01	1	Dummy fan 40x28mm
Riser Card	RSC-RR1U-E8	1	RSC-RR1U-E8
Power Supply	PWS-203-1H	1	1U 200W Multi-output 80Plus Gold PWS

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
Rack Mount Kit	MCP-290-50404-0N	-	Rack Mount Kit for CSE-504-203B
SuperDOM	-	-	Supermicro SATA DOM Solutions [Details]

About Us

- Company Profile
- Green Computing
- Investor Relations
- Careers
- Site Map

News

- Press Releases
- Supermicro in the News
- Product Reviews
- Events
- Webinars

Resources

- Product Briefs
- Solution Briefs
- Success Stories
- Videos
- White Papers
- MySupermicro

Connect & Follow

- Locations
- Newsletter Sign-up

