

A+ Server 5019D-FTN4



Integrated Board



M11SDV-8C-LN4F

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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 Features

- ❑ SD-WAN and vCPE/uCPE
- ❑ Network Security Appliance
- ❑ Software Defined WAN
- ❑ Embedded IoT Computing
- ❑ Hyper-Converged Appliance

1. AMD EPYC™ 3251 SoC Processor, 8 Core/16 Thread
2. Up to 2x 3.5" or 4x 2.5" SATA3 drive bays
3. 1 PCI-E 3.0 x16
4. Up to 512GB LRDIMM or 256GB RDIMM, up to DDR4-2666Hz
5. 4 Gigabit Ethernet ports, 1 dedicated IPMI LAN
6. 2 USB 3.0, 1 VGA, onboard TPM header
7. 2x 40x28mm 4-PIN PWM fans
8. 200W compact power supply



Specifications

Product SKUs

- AS -5019D-FTN4** ■ A+ Server 5019D-FTN4 (Black)

Motherboard

- Super M11SDV-8C-LN4F**

Processor/Cache

- CPU** ■ Single AMD EPYC™ 3251 SoC Processor
- Cores** ■ 8 Core/16 Thread

System Memory

- Memory Capacity** ■ 4x DDR4 DIMM sockets
 - Up to 512GB DDR4 ECC LRDIMM
 - Up to 256GB DDR4 ECC RDIMM
- Memory Type** ■ DDR4 2666 MHz Registered ECC, 288-pin gold-plated DIMMs
- DIMM Sizes** ■ 128GB, 64GB, 32GB, 16GB, 8GB
- 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®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** ■ Aspeed AST2500 BMC

Input / Output

- SATA** ■ 4 SATA3 (6Gbps) ports
- LAN** ■ 4 RJ45 Gigabit Ethernet LAN ports (front)
 - 1 RJ45 Dedicated IPMI LAN port (front)
- USB** ■ 2 USB 3.0 ports (front)
- VGA** ■ 1 VGA Port (front)
- 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 x16 slot
 - 1 M.2 PCI-E 3.0 x4, 2280, M Key

Drive Bays

- HDD** ■ Up to 2x 3.5" or 4x 2.5" SATA3 drive bays

System Cooling

- Fans** ■ 2x 40x28mm 4-PIN PWM fans

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 64Mb Flash EEPROM
- BIOS Features** ■ Plug and Play (PhP)
 - 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)
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Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-M11SDV-8C-LN4F	1	Super M11SDV-8C-LN4F Motherboard
	CSE-505-203B	1	1U Chassis
Cable 1	CBL-0061L	1	SATA,INT,FLAT,31.5CM,26AWG
Cable 2	CBL-0087	1	CBL,FRONT CNTL,16 TO 16 PIN,Ribbon,50CM
Cable 3	CBL-0260L	1	US power cord 18AWG 6ft, PBF (default for low watt)
Cable 4	CBL-PWEX-1066	1	PWR EXT,2x2F/P2.54TO 2x12M/P4.2,ATX(+5VSTBY,PSO#),20CM,20AWG
FAN 1	FAN-0065L4	2	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M
Parts	MCP-260-00064-0B	1	1U I/O shield for X9/X10 STD Server I/O use in SC510, SC505, SC504 with EMI Gasket,RoHS/REACH,PBF
Parts	MCP-260-00085-0B	1	1U I/O Shield for A1SRM-LN7F on SC510 with EMI Gasket,RoHS/REACH
Parts	MCP-290-51001-0N	1	SC510 card retainer
Fan Holder	MCP-320-81302-0B	2	Optional fan tray for one 40x28mm fan in SC813T/SC813LT-single PWS (Fan tray only)
Power Supply	PWS-203-1H	1	1U 200W Multi-output 80Plus Gold PWS
Riser Card	RSC-RR1U-E16	1	RSC-RR1U-E16 with PIC-E x16 output

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
TPM security module (optional, not included)	AOM-TPM-9665V AOM-TPM-9665H	-	TPM module with Infineon 9665, RoHS/REACH,PBF; Vertical or Horizontal depends on the server
SuperDOM	-	-	Supermicro SATA DOM Solutions [Details]