

## A+ Server 5019D-FTN4



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



### 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

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



### 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	 <b>Gold Certified</b>
System BIOS	
BIOS Type	AMI 64Mb Flash EEPROM
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-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,PSON#),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)	<a href="#">AOM-TPM-9665V</a> <a href="#">AOM-TPM-9665H</a>	-	TPM module with Infineon 9665, RoHS/REACH,PBF; Vertical or Horizontal depends on the server
SuperDOM	-	-	Supermicro SATA DOM Solutions <a href="#">[Details]</a>

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