A+ Server E301-9D-8CN4

🖶 Print

Integrated Board

M11SDV-8C-LN4F

Views: | Angled View | | Front View | Rear View |

Drivers & Utilities   BIOS   IPMI   Tested Memory   Tested M.2 List   Manuals   OS Certification Matrix   Quick-References Guide

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

Key Features

- Embedded IoT Computing
- SD-WAN and vCPE/uCPE
- Hyper-Converged Appliance
- Entry-level Network Appliance

1. AMD EPYC™ 3251 SoC Processor, 8 Core/16 Thread, 2.5GHz/50W
2. System on Chip
3. 2 Fixed 2.5" drive bay bracket
4. 1 PCI-E 3.0 x16 AOC slot (LP), 1 M.2 PCI-E 3.0 x4, 2280, M Key
5. Up to 512GB ECC Registered DDR4-2666Mz SDRAM in 4 DIMMs
6. 4 Gigabit Ethernet ports, 1 dedicated IPMI LAN
7. 1 VGA, 2 USB 3.0
8. 2x 40x28mm 4-PIN PWM Fans
9. Lockable 12V DC 150W power adapter

EPYC

Specifications ⌃

Product SKUs	
AS -E301-9D-8CN4	A+ Server E301-9D-8CN4 (**Black**)

Motherboard
Super M11SDV-8C-LN4F

Processor/Cache	
CPU	Single AMD EPYC™ 3251 SoC Processor
Cores	8 Core/16 Thread

System Memory	
Memory Capacity	4 DIMM slots Supports up to 512GB Registered RCC DDR4 2666MHz SDRAM in 4 DIMMs 4-channel memory bus
Memory Type	DDR4 2666 MHz Registered ECC, 288-pin gold-plated DIMMs
DIMM Sizes	8GB, 16GB, 32GB, 64GB, 128GB
Memory Voltage	1.2 V
Error Detection	Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices	
Chipset	System on Chip
SATA	SATA3 (6Gbps) ports via SoC controller
Network Controllers	Quad 1GbE with 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	SoC controller for 4 SATA3 (6Gbps) ports
LAN	4x 1GbE LAN ports 1 Dedicated IPMI LAN port
USB	2 USB 3.0 ports (rear)
Display	1 VGA port
TPM	1 TPM 2.0 header

Chassis	
Form Factor	1.5U Compact Box
Model	CSE-E301

Dimensions	
Width	10" (254mm) / 15" (381mm) - pkg.
Height	2.6" (66mm) / 10.87" (276mm) - pkg.
Depth	8.9" (226mm) / 5.59" (142mm) - pkg.
Weight	Gross Weight: 6.8 lbs (3.08 kg) Net Weight: 4.93 lbs (2.24 kg)
Available Colors	Black

Front Panel	
Buttons	Power On/Off button
LEDs	Power LED (Hard drive activity LED)

Expansion Slots	
PCI-Express	1 PCI-E 3.0 x16 AOC slot (LP) 1 M.2 PCI-E 3.0 x4, 2280, M Key

Drive Bays	
Internal	2 Fixed 2.5" drive bay bracket, supporting 15mm 2.5" Enterprise drive

System Cooling	
Fans	2x 40x28mm 4-PIN PWM Fans (FAN-0065L4, 13K RPM)

Power Supply
Lockable 12V DC 150W power adapter

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-E301	1	Embedded Server BOX for Flex-ATX, Mini-ITX 1U height
Power Adapter	MCP-250-10128-0N	1	150W Lockable Power Adapter with US power cord
Cooling Fan	FAN-0065L4	2	40x28mm 13K RPM 4-PIN PWM FAN

Global SKU ⊕ English

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