

SuperServer E300-9A-4C



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

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

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



- Key Features
- Embedded Security Appliance
 - Embedded IoT Gateway
 - Networking Edge Device
- Intel® Atom® processor C3558, Single socket FCBGA 1310
 - System on Chip
 - Up to 2 SSD when AOC area is not occupied. Need optional cable CBL-SAST-1034
 - Up to 256GB registered ECC, up to 64GB unbuf. ECC/non-ECC, DDR4-2400MHz, in 4 DIMM slots
 - 1 PCI-E 3.0 x4 AOC slot (LP)
 - 4 GbE LAN ports w/ Intel C3000 SoC
 - 2 USB 2.0, 1 M.2 M Key 2242/2280
 - 1 VGA via BMC
 - 2x 40mm chassis fan, passive CPU heat sink
 - 84W DC power adapter

Specifications ^

Product SKUs	
SYS-E300-9A-4C	SuperServer E300-9A-4C (Black)
Motherboard	
Super A2SDi-4C-HLN4F	
Processor/Cache	
CPU	Intel® Atom® processor C3558 4 Cores, 2.2GHz CPU TDP support 16W FCBGA 1310
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	2400/2133/1866MHz ECC DDR4 ECC RDIMM and ECC/Non-ECC UDIMM
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	
Chipset	System on Chip
SATA	SoC controller for 4 SATA3 (6Gbps) ports
Network Controllers	Quad Gigabit Ethernet LAN via Intel® C3000 SoC
Graphics	Aspeed AST2400
Input / Output	
SATA	2 SATA3 (6Gbps) ports
LAN	4 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port
USB	2 USB 2.0 ports (rear)
Display	1 VGA port
DOM	1 SuperDOM (Disk on Module) power connector
TPM	TPM 2.0 header

Chassis	
Form Factor	Mini-1U
Model	CSE-E300
Dimensions	
Width	10" (254mm) / 15" (381mm) - pkg.
Height	1.7" (43mm) / 10.87" (276mm) - pkg.
Depth	8.9" (226mm) / 5.59" (142mm) - pkg.
Weight	Gross Weight: 7.5 lbs (3.4 kg) Net Weight: 3.45 lbs (1.56 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 x4 AOC slot (LP)
Drive Bays / Storage	
Internal	Up to 2 SSD when AOC area is not occupied. Need optional cable CBL-SAST-1034
M.2	Interface: PCI-E 3.0 x2 Form Factor: M Key 2242/2280
System Cooling	
Fans	2x 40mm chassis fan
Power Supply	
84W DC power adapter	
System BIOS	
BIOS Type	AMI UEFI
BIOS Features	UEFI 2.4 SMBIOS 2.7.1
Management	
Software	OOB IPMI 2.0 KVM with dedicated LAN NMI SuperDoctor® 5 Watch Dog
Power Configurations	ACPI / APM Power Management CPU thermal trip support for processor protection Power-on mode for AC power recovery
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-4C-HLN4F	1	Super A2SDi-4C-HLN4F Motherboard
	CSE-E300	1	Embedded Server BOX for Mini-ITX 1U w/o PWS
Riser Card	RSC-RR1U-E8	1	RSC-RR1U-E8 (Rev 4.00)
Cooling Fan	FAN-0065L4	-	40x28mm 13K RPM 4-PIN PWM FAN
Power Adapter	MCP-250-10137-0N	1	84W DC Power Adapter

Optional Parts List			
	Part Number	Qty	Description
Chassis Parts	MCP-290-30002-0B	-	CSE-E300 Rackmount kit (150W/180W adapter supported)
Cable	CBL-CUSB-0975	-	RJ45 SERIAL Cable for Console
Cable	CBL-SAST-1034	-	SATA Splitter Cable with Power for dual SATA HDD

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

