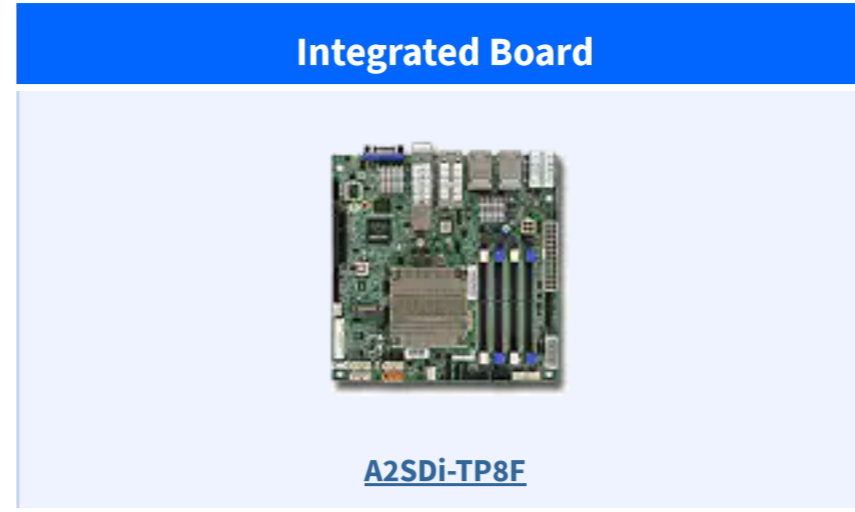


SuperServer E300-9A



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



Key Features

- Embedded Networking Applications
- Network Security Appliance
- FireWall Applications
- Virtualization Server

1. Intel® Atom® processor C3858, Single socket FCBGA 1310
2. System on Chip
3. 2 fixed 2.5" drive bays (Top drive bay area is shared with AOC. Please remove riser card when installing 2.5" drive on the top.)
4. Up to 64GB Unbuffered ECC/non-ECC SO-DIMM, up to DDR4-2400MHz, in 4 DIMM slots
5. 1 PCI-E 3.0 x4 AOC slot (LP)
6. 2x 10GBase-T, 2x 10G SFP+, and 4x 1GbE LAN ports
7. VGA via BMC, 2 USB 3.0 ports
8. 2x 40mm chassis fans, passive CPU heat sink
9. 84W DC power adapter

[Drivers & Utilities](#) [BIOS](#) [IPMI](#) [Tested Memory](#) [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.

Specifications ^

Product SKUs	
SYS-E300-9A	SuperServer E300-9A (Black)
Motherboard	
Super A2SDi-TP8F	
Processor/Cache	
CPU	Intel® Atom® processor C3858 FCBGA 1310 CPU TDP support 25W
System Memory	
Memory Capacity	Up to 64GB Unbuffered ECC/non-ECC SO-DIMM, DDR4-2400MHz, in 4 DIMM slots
Memory Type	2400/2133/1866/1600MHz
DIMM Sizes	16GB, 8GB, 4GB
Memory Voltage	1.2 V
Error Detection	Corrects single-bit errors
On-Board Devices	
Chipset	System on Chip
SATA	SoC controller for 4 SATA3 (6Gbps) ports
Network Controllers	Quad LAN (2 10GBase-T, 2 10Gb SFP+) via Intel® C3000 SoC Quad Gigabit Ethernet LAN via Intel® i350-AM4
Graphics	Aspeed AST2400
Input / Output	
SATA	2 SATA3 (6Gbps) ports
LAN	4 RJ45 Gigabit Ethernet LAN ports 2 10G SFP+ LAN ports 2 RJ45 10GBase-T ports 1 RJ45 Dedicated IPMI LAN port
USB	2 USB 3.0 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	
M.2	Interface: PCI-E 3.0 x4 or SATA3 Form Factor: M Key 2242/2280
Drive Bays	
Internal	2 fixed 2.5" drive bays, one with bracket, one on base mount (1 fixed 2.5" drive bay when AOC area is occupied)
System Cooling	
Fans	2x 40mm chassis fans
Power Supply	
84W DC power adapter	
System BIOS	
BIOS Type	128Mb SPI Flash with AMI BIOS
BIOS Features	PCI 3.0 ACPI 5.0 USB Keyboard support Hardware BIOS Virus protection SMBIOS 2.8 UEFI 2.4 RTC (Real Time Clock) Wakeup
Management	
Software	IPMI 2.0 KVM with dedicated LAN NMI SuperDoctor® 5 Watch Dog
Power Configurations	ACPI / APM Power Management CPU Fan auto-off in sleep mode Power-on mode for AC power recovery
Fan	Fans with tachometer status monitoring Status monitor for speed control Low noise fan speed control Pulse Width Modulated (PWM) fan connectors
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-TP8F	1	Super A2SDi-TP8F Motherboard
	CSE-E300	1	Embedded Server BOX for Mini-ITX 1U w/o PWS
Power Supply	MCP-250-10137-0N	1	84W Lockable power adapter with US power cord, RoHS
Riser Card	RSC-RR1U-E8	1	RSC-RR1U-E8 (Rev 4.00)
Cooling Fan	FAN-0065L4	2	40x28mm 13K RPM 4-PIN PWM FAN

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

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