

SuperServer E300-9A-8CN8



View: | [Rackmount Kit](#) |



Key Features

- Virtual-CPE White Box Solution
- Network Security Appliance
- Embedded IoT Gateway
- Networking Edge Device

1. Intel® Atom® processor C3758, Single socket FCBGA 1310
2. System on Chip
3. 1 fixed 2.5" drive bay when AOC area is not occupied
4. Up to 256GB registered ECC, up to 64GB unbuf. ECC/non-ECC, DDR4-2400MHz, in 4 DIMM slots
5. 1 PCI-E 3.0 x4 AOC slot (LP)
6. 4 GbE LAN ports w/ Intel i350-AM4
4 GbE LAN ports w/ Marvell 88E1543
7. 2 USB 3.0, 1 M.2 B Key 3042.2280, 1 M.2 M Key 2242/2280
8. 1 VGA via BMC
9. 1x 40mm chassis fan, passive CPU heat sink
10. 84W DC power adapter

[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.

Specifications ^

Product SKUs

SYS-E300-9A-8CN8 SuperServer E300-9A-8CN8 (**Black**)

Motherboard

Super A2SDV-8C-LN8F

Processor/Cache

CPU Intel® Atom® processor C3758
8 Cores, 2.2GHz
CPU TDP support 25W
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 LAN with Intel® C3000 SoC
Quad LAN with Intel® Ethernet Controller I350-AM4

Graphics Aspeed AST2400

Input / Output

SATA 2 SATA3 (6Gbps) ports

LAN 8 RJ45 Gigabit Ethernet LAN 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-LED

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 1 fixed 2.5" drive bay when AOC area is not occupied

M.2 2 M.2 Key
Interface: PCI-E 3.0 x2
Form Factor: B Key 3042/2280
Form Factor: M Key 2242/2280

System Cooling

Fans 1x 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-A2SDV-8C-LN8F	1	Super A2SDV-8C-LN8F Motherboard
	CSE-E300-LED	1	Embedded Server BOX for Mini-ITX 1U w/o PWS
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

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