

# SuperServer E300-9A-8CN10P



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

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



## Integrated Board

[A2SDV-8C-LN10PF](#)

## 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. 8 GbE and 2 1G SFP LAN ports
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

## Specifications ^

Product SKUs		<b>SYS-E300-9A-8CN10P</b> SuperServer E300-9A-8CN10P (Black)
Motherboard		<b>Super A2SDV-8C-LN10PF</b>
Processor/Cache		<b>CPU</b> Intel® Atom® processor C3758 8 Cores, 2.2GHz CPU TDP support 25W FCBGA 1310
System Memory		<b>Memory Capacity</b> 4x DDR4 DIMM sockets Supports up to 256GB DDR4 ECC RDIMM Supports up to 64GB DDR4 ECC/non-ECC UDIMM  <b>Memory Type</b> 2400/2133/1866MHz ECC DDR4 ECC RDIMM and ECC/Non-ECC UDIMM  <b>DIMM Sizes</b> 64GB, 32GB, 16GB, 8GB, 4GB <b>Memory Voltage</b> 1.2 V <b>Error Detection</b> Corrects single-bit errors Detects double-bit errors (using ECC memory)
On-Board Devices		<b>Chipset</b> System on Chip <b>SATA</b> SoC controller for 4 SATA3 (6Gbps) ports <b>Network Controllers</b> Quad LAN with Intel® C3000 SoC Quad LAN with Intel® Ethernet Controller I350-AM4 Dual LAN with Intel® I210-IS 1G SFP  <b>Graphics</b> Aspeed AST2400 BMC
Input / Output		<b>SATA</b> 2 SATA3 (6Gbps) ports <b>LAN</b> 8 RJ45 Gigabit Ethernet LAN ports 2 1G SFP LAN ports 1 RJ45 Dedicated IPMI LAN port <b>USB</b> 2 USB 3.0 ports (rear) <b>Display</b> 1 VGA port <b>TPM</b> TPM 2.0 header
Chassis		<b>Form Factor</b> Mini-1U <b>Model</b> CSE-E300-LED+
Dimensions		<b>Width</b> 10" (254mm) / 15" (381mm) - pkg. <b>Height</b> 1.7" (43mm) / 10.87" (276mm) - pkg. <b>Depth</b> 8.9" (226mm) / 5.59" (142mm) - pkg. <b>Weight</b> Gross Weight: 7.5 lbs (3.4 kg) Net Weight: 3.45 lbs (1.56 kg)  <b>Available Colors</b> Black
Front Panel		<b>Buttons</b> Power On/Off button <b>LEDs</b> Power LED (Hard drive activity LED)
Expansion Slots		<b>PCI-Express</b> 1 PCI-E 3.0 x4 AOC slot (LP) when SSD is not populated
Drive Bays / Storage		<b>Internal</b> 1 Fixed 2.5" drive bay when AOC area is not occupied <b>M.2</b> 2 M.2 Key Interface: PCI-E 3.0 x2 Form Factor: B Key 3042/2280 Form Factor: M Key 2242/2280
System Cooling		<b>Fans</b> 1x 40mm chassis fan
Power Supply		84W DC power adapter
System BIOS		<b>BIOS Type</b> AMI UEFI <b>BIOS Features</b> UEFI 2.4 SMBIOS 2.7.1
Management		<b>Software</b> OOB IPMI 2.0 KVM with dedicated LAN NMI <a href="#">SuperDoctor® 5</a> Watch Dog  <b>Power Configurations</b> ACPI / APM Power Management CPU thermal trip support for processor protection Power-on mode for AC power recovery
Operating Environment / Compliance		<b>RoHS</b> RoHS Compliant <b>Environmental Spec.</b> 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
<b>Motherboard / Chassis</b>	MBD-A2SDV-8C-LN10PF	1	Super A2SDV-8C-LN10PF Motherboard
	CSE-E300-LED+	1	Embedded Server BOX for Mini-ITX 1U w/o PWS
<b>Cooling Fan</b>	FAN-0065L4	1	40x28mm 13K RPM 4-PIN PWM FAN
<b>Power Adapter</b>	MCP-250-10137-0N	1	84W DC Power Adapter
<b>I/O Shield</b>	MCP-260-30002-1B	1	CSE-E300-LED+ I/O shield for A2SDV-4C/8C-LN10PF

Optional Parts List			
	Part Number	Qty	Description
<b>Rackmount Kit</b>	MCP-290-30002-0B	-	CSE-E300 Rackmount kit (150W/180W adapter supported)
<b>Riser Card Bracket</b>	MCP-240-30002-0N	-	CSE-E300 Riser Card Bracket

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