



SuperServer E300-9A-4CN10P



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-4C-LN10PF

Key Features

- Virtual-CPE White Box Solution
 - Network Security Appliance
 - Embedded IoT Gateway
 - Networking Edge Device
1. Intel® Atom® processor C3558, 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, DDR4-2133MHz, in 4 DIMM slots
 5. 1 PCI-E 3.0 x2 AOC slot (LP)
 6. 8 GbE and 2 1G SFP LAN ports
 7. 2 USB 3.0, 1 M.2 B Key 3042/2280
 8. 1 VGA via BMC
 9. 1x 40mm chassis fan, passive CPU heat sink
 10. 84W DC power adapter

Specifications ^

Product SKUs	
SYS-E300-9A-4CN10P	SuperServer E300-9A-4CN10P (Black)
Motherboard	
Super A2SDV-4C-LN10PF	
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	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 Dual LAN with Intel® I210-IS 1G SFP
Graphics	Aspeed AST2400 BMC
Input / Output	
SATA	2 SATA3 (6Gbps) ports
LAN	8 RJ45 Gigabit Ethernet LAN ports 2 1G SFP LAN ports 1 RJ45 Dedicated IPMI LAN port
USB	2 USB 3.0 ports (rear)
Display	1 VGA port
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: 6.4 lbs (2.9 kg) Net Weight: 3.8 lbs (1.72 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 x2 AOC slot (LP) when SSD is not populated
Drive Bays / Storage	
Internal	1 Fixed 2.5" drive bay when AOC area is not occupied
M.2	1 M.2 Key Interface: PCI-E 3.0 x2 Form Factor: B Key 3042/2280
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-4C-LN10PF	1	Super A2SDV-4C-LN10PF Motherboard
	CSE-E300-LED+	1	Embedded Server BOX for Mini-ITX 1U w/o PWS
Cooling Fan	FAN-0065L4	1	40x28mm 13K RPM 4-PIN PWM FAN
Power Adapter	MCP-250-10137-0N	1	84W DC Power Adapter
I/O Shield	MCP-260-30002-1B	1	CSE-E300-LED+ I/O shield for A2SDV-4C/8C-LN10PF

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

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