

SuperServer E302-9A



Integrated Board



A2SDi-4C-HLN4F

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

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Key Applications

- IoT Edge Computing
- Retail, Smart Medical Expert Systems
- Networking Appliance
- Industrial Automation & Control
- Embedded IoT Gateway

Key Features

1. Intel® Atom® processor C3558, Single socket FCBGA 1310
2. System on Chip
3. 2x 2.5" 7mm fixed drive bay
4. Up to 256GB registered ECC, up to 64GB unbuf. ECC/non-ECC, DDR4-2133MHz, in 4 DIMM slots
5. 1 M.2 MKey 2242/2280 (PCI-E 3.0 x2)
6. 4 GbE LAN ports w/ Intel C3000 SoC
7. 2 USB 2.0, 1 VGA via BMC
8. Fanless
9. Lockable 12V DC 60W power adapter

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

Specifications

Product SKUs

- SYS-E302-9A** ■ SuperServer E302-9A (**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** ■ 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 SATA3 (6Gbps) ports
- Network Controllers** ■ Quad Gigabit Ethernet LAN via Intel® C3000 SoC
- Graphics** ■ Aspeed AST2400 BMC

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
- TPM** ■ TPM header

Chassis

- Form Factor** ■ Compact
- Model** ■ **CSE-E302IL**

Dimensions

- Width** ■ 11.6" (295mm)
- Height** ■ 3" (76mm)
- Depth** ■ 8.1" (206mm)
- 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** ■ 1x M.2 MKey 2242/2280 (PCI-E 3.0 x2)

Drive Bays / Storage

- Internal** ■ 2x 2.5" 7mm fixed drive bay
- M.2** ■ Interface: PCI-E 3.0 x2 & SATA
 - Form Factor: 2242, 2280
 - Key: M-Key

System Cooling

- Fanless

Power Supply

Lockable 12V DC 60W 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-E302iL	1	Fan-less Embedded BOX for Flex-ATX, Mini-ITX 1.5U H w/o PWS
Tray	MCP-220-30201-0B	1	Black, Fixed HDD tray 2.5in(2x7/1x15mm) for CSE-E302
Heat Sink	MCP-350-30201-0N	-	Thermal block 64.5*43*12.7mm AL6063 for CSE-E302
Power Adapter	MCP-250-10117-0N	1	60W DC power adapter with US power cord 18AWG 6ft

Optional Parts List

	Part Number	Qty	Description
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