

SuperServer E302-9A



Integrated Board



A2SDi-4C-HLN4F

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

[Drivers & Utilities](#) [BIOS](#) [IPMI](#) [Tested Memory](#) [Tested M.2 List](#) [Drive Options](#) [Manuals](#)

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



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 M Key 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

Product SKUs	
SYS-E302-9A	■ SuperServer E302-9A (Black)
Motherboard	
<u>Super A2SDi-4C-HLN4F</u>	
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 M Key 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 ■ <u>SuperDoctor® 5</u> ■ 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) with 0.7 m/s air flow with wide temperature M.2 or SSD (0°C to 85°C) ■ 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)