

SuperServer E50-9AP-Wifi



Integrated Board



A2SAP-H

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

Key Features

- Built-in Wifi Module and Antenna
- IP51 with plastic chassis design for water/dust proof
- Cable-less design for easy maintenance
- Fanless design with palm-size dimension

1. Intel® Atom® processor E3940 (9.5W, 4C)
Single socket FCBGA 1296
2. System on Chip
3. 1 SATA 3.0 for 7mm 2.5" SATA SSD,
1 M.2 B-Key 2242/3042 for SATA SSD
4. Up to 8GB unbuffered non-ECC SO-DIMM, DDR3L-1866MHz, in 1 socket
5. 1 Full size Mini-PCle,
1 Half size Mini-PCle,
1 M.2 B-Key 2242/3042
6. Dual LAN with Intel I210-IT;
Dual Band Wireless and Bluetooth 4.2
7. 2 USB 3.0, 2 USB 2.0, 2 COM
(RS-232/422/485), 1 TPM 2.0 onboard
8. Fanless design
9. Lockable 12V DC 40W power adapter

Specifications

Product SKUs

- SYS-E50-9AP-Wifi** ■ SuperServer E50-9AP-Wifi (Black)

Motherboard

Super A2SAP-H

Processor/Cache

- CPU** ■ Intel® Atom® processor E3940
 - Single socket FCBGA 1296
 - 9.5W, 4C

System Memory

- Memory Capacity** ■ Up to 8GB Unbuffered non-ECC SO-DIMM, DDR3L-1866MHz, in 1 DIMM socket
- Memory Type** ■ DDR3L up to 1866MHz
- DIMM Sizes** ■ 8GB, 4GB
- Memory Voltage** ■ 1.35 V

On-Board Devices

- Chipset** ■ System on Chip
- Network Controllers** ■ Dual LAN with Intel® Ethernet Controller I210-IT
- Audio** ■ ALC 888S HD Audio
- Graphics** ■ Intel® HD Graphics
 - HDMI (max. resolution up to 3840 x 2160 @ 30Hz)

Input / Output

- LAN** ■ 2 RJ45 Gigabit Ethernet LAN ports
- Wifi** ■ Dual Band Wireless and Bluetooth 4.2
- USB** ■ 2 USB 3.0 ports (rear)
 - 2 USB 2.0 ports
- Video** ■ 2 HDMI ports
- COM** ■ 2 COM (RS-232/422/485)
- TPM** ■ 1 TPM 2.0 onboard

Chassis

- Form Factor** ■ Proprietary

- Model** ■ CSE-E50

Dimensions

- Width** ■ 4.96" (126mm)
- Height** ■ 1.72" (44mm)
- Depth** ■ 4.64" (118mm)
- Weight** ■ Gross Weight: 3.52 lbs (1.6 kg)
 - Net Weight: 2.2 lbs (1 kg)
- Available Colors** ■ Black

Front Panel

- Buttons** ■ Power On/Off button
- LEDs** ■ Power LED (Hard drive activity LED)

Expansion Slots

- PCI-Express** ■ 1 Full size Mini-PCIe
 - 1 Half size Mini-PCIe
- M.2** ■ 1 M.2 B-Key 2242/3042 for storage

Drive Bays / Storage

- Internal** ■ 1 SATA 3.0 for 7mm 2.5" SATA SSD OR
 - 1 M.2 B-Key 2242/3042 for SATA SSD

System Cooling

- Fans** ■ Fanless design

Power Supply

- 40W lockable 12V DC power adapter

System BIOS

- BIOS Type** ■ AMI UEFI

Management

- Software** ■ SuperDoctor® 5
 - Watch Dog
- Power Configurations** ■ +12V DC Power Input
 - ACPI Power Management
 - Control of power-on for recovery from AC power loss
 - Force Power On by Jumper

Operating Environment / Compliance

- RoHS** ■ RoHS Compliant

Environmental Spec.

- Operating Temperature:
0°C to 50°C (32°F to 122°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)

Regulatory

- Regulatory applied to US and EU. Please consult local representatives.
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Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-A2SAP-H	1	Super A2SAP-H Motherboard
	CSE-E50	1	IP51 Fanless Chassis for 2.5" PICO
Add-on Card / Module	AOC-WLAN-8265NGWMMG	1	Intel Dual Band Wireless AC 8265, HF, RoHS
Add-on Card / Module	AOM-PICO-01-P	1	Add-on I/O Module for Pico-ITX A2SAP and embedded IoT system
Cable 1	CBL-PWCD-0260-IS	1	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,18AWG,RoHS/REACH
Parts	MCP-210-05001-0B	1	Front IO for CSE-E50 with 2xUSB2.0, 2xCOM
Power Adapter	MCP-250-10124-0N	1	40W 12V 3.33A, AC to DC lockable power adapter (0-40°C)