

## SuperServer E50-9AP-Wifi



**Integrated Board**



[\(/products/motherboard/Atom/A2SAP-H.cfm\)]((/products/motherboard/Atom/A2SAP-H.cfm))

**A2SAP-H** [\(/products/motherboard/Atom/A2SAP-H.cfm\)]((/products/motherboard/Atom/A2SAP-H.cfm))

**Views:** | [Angled View \(/a\\_images/products/views/E50-9AP-Wifi\\_angle.jpg\)]((/a_images/products/views/E50-9AP-Wifi_angle.jpg)) | [Front View \(/a\\_images/products/views/E50-9AP-Wifi\\_front.jpg\)]((/a_images/products/views/E50-9AP-Wifi_front.jpg)) | [Rear View \(/a\\_images/products/views/E50-9AP-Wifi\\_rear.jpg\)]((/a_images/products/views/E50-9AP-Wifi_rear.jpg)) |

## 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-PCIe, 1 Half size Mini-PCIe, 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

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested Memory](#)

[Tested M.2 List \(/en/support/resources/m2ssd?SystemID=86436&ProductName=SSE50-9AP-Wifi\)]((/en/support/resources/m2ssd?SystemID=86436&ProductName=SSE50-9AP-Wifi))

[Manuals](#)

[OS Certification Matrix \(/support/resources/OS/OS\\_Certification\\_Intel.cfm?MProduct\\_Name=SYS%2DE50%2D9AP%2DWifi\)]((/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2DE50%2D9AP%2DWifi))

[Drive Options](#)

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

## Specifications

## Product SKUs

### SYS-E50-9AP-Wifi

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

## Motherboard

### Super A2SAP-H

(</products/motherboard/Atom/A2SAP-H.cfm>).

## 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 (FCC ID in US and CE in Europe)

### 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

5.82" (148mm)

### 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 \(/products/nfo/SMS\\_SD5.cfm\)](/products/nfo/SMS_SD5.cfm)

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

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**Operating Environment / Compliance****RoHS**

RoHS Compliant

**Environmental Spec.**

Operating Temperature:

0°C to 50°C (32°F to 122°F) with 0.7 m/s air flow

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)

The use of industrial grade wide-temperature peripherals is required to meet 50°C operating temperature.

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**Regulatory**

Regulatory applied to US and EU. Please consult local

**Parts List**

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[Global SKU \(/en/products/SMC\\_global\\_skus\)](/en/products/SMC_global_skus)

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