

SuperServer E50-9AP-Wifi



Integrated Board



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

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

Views: | **Angled View** (/a_images/products/views/E50-9AP-Wifi_angle.jpg). | **Front View** (/a_images/products/views/E50-9AP-Wifi_front.jpg). | **Rear View** (/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
[\(/products/motherboard/Atom/A2SAP-H.cfm\)](/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)
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) 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.

Regulatory

Regulatory applied to US and EU. Please consult local

Parts List

Global SKU (/en/products/SMC_global_skus)