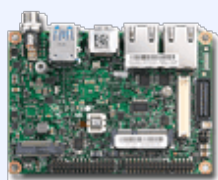




## SuperServer E50-9AP-Wifi



### Integrated Board



[A2SAP-H](#)

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### Key Features

- Built-in Wifi 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,  
1 M.2 E-Key 2230
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

Note: Image above may show a varied configuration or 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](#)

#### Processor/Cache

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

#### System Memory

#### Chassis

- Form Factor**
- Proprietary
- Model**
- CSE-E50

#### Dimensions

- Width**
- 4.96" (126mm)
- Height**
- 1.72" (44mm)
- Depth**
- 4.64" (118mm)
- Available Colors**
- Black

#### Front Panel

- Buttons**
- Power On/Off button

|                     |                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|
| Memory Capacity     | <ul style="list-style-type: none"><li>Up to 8GB Unbuffered non-ECC SO-DIMM, DDR3L-1866MHz, in 1 DIMM socket</li></ul>      |
| Memory Type         | <ul style="list-style-type: none"><li>DDR3L up to 1866MHz</li></ul>                                                        |
| DIMM Sizes          | <ul style="list-style-type: none"><li>8GB, 4GB</li></ul>                                                                   |
| Memory Voltage      | <ul style="list-style-type: none"><li>1.35 V</li></ul>                                                                     |
| On-Board Devices    |                                                                                                                            |
| Chipset             | <ul style="list-style-type: none"><li>System on Chip</li></ul>                                                             |
| Network Controllers | <ul style="list-style-type: none"><li>Dual LAN with Intel® Ethernet Controller I210-IT</li></ul>                           |
| Audio               | <ul style="list-style-type: none"><li>ALC 888S HD Audio</li></ul>                                                          |
| Graphics            | <ul style="list-style-type: none"><li>Intel® HD Graphics</li><li>HDMI (max. resolution up to 3840 x 2160 @ 30Hz)</li></ul> |
| Input / Output      |                                                                                                                            |
| LAN                 | <ul style="list-style-type: none"><li>2 RJ45 Gigabit Ethernet LAN ports</li></ul>                                          |
| Wifi                | <ul style="list-style-type: none"><li>Dual Band Wireless and Bluetooth 4.2</li></ul>                                       |
| USB                 | <ul style="list-style-type: none"><li>2 USB 3.0 ports (rear)</li><li>2 USB 2.0 ports</li></ul>                             |
| Video               | <ul style="list-style-type: none"><li>2 HDMI ports</li></ul>                                                               |
| COM                 | <ul style="list-style-type: none"><li>2 COM (RS-232/422/485)</li></ul>                                                     |
| TPM                 | <ul style="list-style-type: none"><li>1 TPM 2.0 onboard</li></ul>                                                          |

|                                    |                                                                                                                                                                                                                                                                                                          |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LEDs                               | <ul style="list-style-type: none"><li>Power LED (Hard drive activity LED)</li></ul>                                                                                                                                                                                                                      |
| Expansion Slots                    |                                                                                                                                                                                                                                                                                                          |
| PCI-Express                        | <ul style="list-style-type: none"><li>1 Full size Mini-PCIe</li><li>1 Half size Mini-PCIe</li></ul>                                                                                                                                                                                                      |
| M.2                                | <ul style="list-style-type: none"><li>1 M.2 B-Key 2242/3042 for storage</li><li>1 M.2 E-Key 2230 for communication module</li></ul>                                                                                                                                                                      |
| Drive Bays / Storage               |                                                                                                                                                                                                                                                                                                          |
| Internal                           | <ul style="list-style-type: none"><li>1 SATA 3.0 for 7mm 2.5" SATA SSD OR 1 M.2 B-Key 2242/3042 for SATA SSD</li></ul>                                                                                                                                                                                   |
| System Cooling                     |                                                                                                                                                                                                                                                                                                          |
| Fans                               | <ul style="list-style-type: none"><li>Fanless design</li></ul>                                                                                                                                                                                                                                           |
| Power Supply                       |                                                                                                                                                                                                                                                                                                          |
| 40W lockable 12V DC power adapter  |                                                                                                                                                                                                                                                                                                          |
| System BIOS                        |                                                                                                                                                                                                                                                                                                          |
| BIOS Type                          | <ul style="list-style-type: none"><li>AMI UEFI</li></ul>                                                                                                                                                                                                                                                 |
| Management                         |                                                                                                                                                                                                                                                                                                          |
| Software                           | <ul style="list-style-type: none"><li><a href="#">SuperDoctor® 5</a></li><li>Watch Dog</li></ul>                                                                                                                                                                                                         |
| Power Configurations               | <ul style="list-style-type: none"><li>+12V DC Power Input</li><li>ACPI Power Management</li><li>Control of power-on for recovery from AC power loss</li><li>Force Power On by Jumper</li></ul>                                                                                                           |
| Operating Environment / Compliance |                                                                                                                                                                                                                                                                                                          |
| RoHS                               | <ul style="list-style-type: none"><li>RoHS Compliant</li></ul>                                                                                                                                                                                                                                           |
| Environmental Spec.                | <ul style="list-style-type: none"><li>Operating Temperature: 0°C to 50°C (32°F to 122°F)</li><li>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li><li>Operating Relative Humidity: 8% to 90% (non-condensing)</li><li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li></ul> |
| Regulatory                         | <ul style="list-style-type: none"><li>Regulatory applied to US and EU. Please consult local representatives.</li></ul>                                                                                                                                                                                   |

Parts List

[See Parts List](#)