

## SuperServer E50-9AP-N5



### Integrated Board



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

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

**Views:** | [Angled View \(/a\\_images/products/views/E50-9AP-N5\\_angle.jpg\)](#) | [Front View \(/a\\_images/products/views/E50-9AP-N5\\_front.jpg\)](#) | [Rear View \(/a\\_images/products/views/E50-9AP-N5\\_rear.jpg\)](#) |

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

[Tested M.2 List \(/en/support/resources/m2ssd?SystemID=86607&ProductName=SSE50-9AP-N5\)](https://en/support/resources/m2ssd?SystemID=86607&ProductName=SSE50-9AP-N5)

[Manuals](#)

[OS Certification Matrix \(/support/resources/OS/OS\\_Certification\\_Intel.cfm?MProduct\\_Name=SYS%2DE50%2D9AP%2DN5\)](https://support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2DE50%2D9AP%2DN5)

[Drive Options](#)

## Key Features

- IoT Gateway
- Entry Networking Appliance

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 for SATA SSD
4. Up to 8GB Unbuffered Non-ECC  
SO-DIMM, DDR3L-1866MHz, in 1 socket
5. 1 Half size Mini-PCIe,  
1 M.2 B-Key 2242/3042,  
1 M.2 E-Key 2230
6. 5 LAN with Intel I210-IT
7. 2 USB 3.0, 2 USB 2.0, 1 COM, 2 HDMI,  
ALC 888S HD Audio, 1 TPM 2.0 onboard
8. Fanless design
9. Lockable 12V DC 40W power adapter

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-N5

SuperServer E50-9AP-N5 (Black)

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## Motherboard

### Super A2SAP-H

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

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## Processor/Cache

### CPU

#### Intel® Atom® processor E3940

Single socket FCBGA 1296

9.5W, 4C

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## 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

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## On-Board Devices

### Chipset

System on Chip

### Network Controllers

5 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)

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## Input / Output

### LAN

5 RJ45 Gigabit Ethernet LAN ports

### USB

2 USB 3.0 ports (rear)

2 USB 2.0 ports (front)

### Video

2 HDMI port

### COM

1 COM

### TPM

1 TPM 2.0 onboard

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## Chassis

### Form Factor

Proprietary

### Model

CSE-E50

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## Dimensions

### Width

5.82" (148mm)

### Height

1.72" (44mm)

### Depth

4.64" (118mm)

### Package

5.5" (H) x 9.5" (W) x 8" (D)

### Weight

Gross Weight: 3.52 lbs (1.6 kg)

Net Weight: 2.2 lbs (1 kg)

### Available Colors

Black

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## Front Panel

### Buttons

Power On/Off button

### LEDs

Power LED (Hard drive activity LED)

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## Expansion Slots

### PCI-Express

1 Half size Mini-PCIe

### M.2

1 M.2 B-Key 2242 for storage (SATA SSD)

1 M.2 E-Key 2230 for communication module

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## Drive Bays / Storage

### Internal

1 SATA 3.0 for 7mm 2.5" SATA SSD OR

1 M.2 B-Key 2242 for SATA SSD

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## System Cooling

### Fans

Fanless design

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## Power Supply

40W lockable 12V DC power adapter

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## System BIOS

### BIOS Type

AMI UEFI

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## Management

### Software

[SuperDoctor® 5 \(/products/nfo/SMS\\_SD5.cfm\)](/products/nfo/SMS_SD5.cfm)

Watch Dog

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**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:

-20°C to 50°C (-4°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

**Parts List**

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

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