

SuperServer E50-9AP-N5



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 \(/a_images/products/views/E50-9AP-N5_angle.jpg\)](/a_images/products/views/E50-9AP-N5_angle.jpg) | [Front View \(/a_images/products/views/E50-9AP-N5_front.jpg\)](/a_images/products/views/E50-9AP-N5_front.jpg) | [Rear View \(/a_images/products/views/E50-9AP-N5_rear.jpg\)](/a_images/products/views/E50-9AP-N5_rear.jpg) |

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

[Manuals](#)

[OS Certification Matrix \(/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2DE50%2D9AP%2DN5\)](/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)

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

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)

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

Chassis

Form Factor

Proprietary

Model

CSE-E50

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

Front Panel

Buttons

Power On/Off button

LEDs

Power LED (Hard drive activity LED)

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

Drive Bays / Storage

Internal

1 SATA 3.0 for 7mm 2.5" SATA SSD OR

1 M.2 B-Key 2242 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

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 required to meet 50°C operating temperature.

Parts List

[Global SKU \(/en/products/SMC_global_skus\)](/en/products/SMC_global_skus)
