

SuperServer E50-9AP-L



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 \(/a_images/products/views/E50-9AP-L_angle.jpg\)](#) | [Front View \(/a_images/products/views/E50-9AP-L_front.jpg\)](#) | [Rear View \(/a_images/products/views/E50-9AP-L_rear.jpg\)](#) |

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

[Tested M.2 List \(/en/support/resources/m2ssd?SystemID=86606&ProductName=SSE50-9AP-L\)](#)

[Manuals](#)

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

Key Features

- **Cost Optimized IoT Gateway**
- **Commercial Appliance**

1. Intel® Atom® processor E3940 (9.5W, 4C)
Single socket FCBGA 1296
2. System on Chip
3. Up to 8GB Unbuffered Non-ECC
SO-DIMM, DDR3L-1866MHz, in 1 socket
4. 1 Half size Mini-PCIe,
1 M.2 B-Key 2242 for SATA SSD
5. Dual LAN with Intel I210-IT
6. 2 USB 3.0, 1 HDMI
7. Fanless design
8. 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-L
SuperServer E50-9AP-L (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

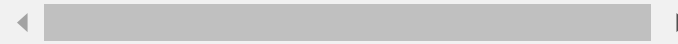
Memory Capacity
Up to 8GB Unbuffered non-ECC SO-DIMM, DDR3L-1866MHz, in 1 DIMM socket
Memory Type
DDR3L up to 1866MHz
DIMM Sizes
8GB, 4GB
Memory Voltage
1.35 V

On-Board Devices

Chipset
System on Chip
Network Controllers
Dual LAN with Intel® Ethernet Controller I210-IT
Graphics
Intel® HD Graphics
HDMI (max. resolution up to 3840 x 2160 @ 30Hz)

Input / Output

LAN
2 RJ45 Gigabit Ethernet LAN ports
USB
2 USB 3.0 ports (rear)
Video
1 HDMI port



Chassis

Form Factor
Proprietary
Model
CSE-E50-L

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)

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:
-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

Global SKU (/en/products/SMC_global_skus)