

SuperServer E100-9AP

Key Features



- IoT Gateway for Smart Factory/Building/Home
- Kiosk, Interactive info system
- Environmental Monitor

1. Intel® Atom® Processor E3940, Single Socket FCBGA 1296
2. System-on-Chip
3. 1 Full size Mini-PCIe, 1 M.2 2280 B-Key for SATA or PCIe SSD
4. 1 non-ECC DDR3L SODIMM; up to 8GB
5. Dual GbE LAN ports via Intel I210-IT
6. 4 COM, 2 USB 3.0, 4 USB 2.0
7. 1 VGA, 1 HDMI
8. Fanless design
9. Lockable 12V DC 40W power adapter

Integrated Board



[./products/motherboard/ATOM/A2SAN-E.cfm](http://products/motherboard/ATOM/A2SAN-E.cfm)

[Super A2SAN-E](http://products/motherboard/ATOM/A2SAN-E.cfm) ([./products/motherboard/ATOM/A2SAN-E.cfm](http://products/motherboard/ATOM/A2SAN-E.cfm)).

Views: | [Angled View](#) ([./a_images/products/views/E100-9AP_angle.jpg](#)) | [Front View](#) ([./a_images/products/views/E100-9AP_front.jpg](#)) |

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

[Tested M.2 List](#) ([./en/support/resources/m2ssd?SystemID=85821&ProductName=SSE100-9AP](#)).

[Manuals](#)

[OS Certification Matrix](#)
([./support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2DE100%2D9AP](#)).

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

Specifications

Product SKUs

SYS-E100-9AP

SuperServer E100-9AP (Black)

Motherboard

Super A2SAN-E

(</products/motherboard/ATOM/A2SAN-E.cfm>)

Processor/Cache

CPU

Intel® Atom® Processor E3940

FCBGA 1296

System-on-Chip

CPU TDP support 9W

System Memory

Memory Capacity

1x 204-pin DDR3L SO-DIMM socket

Memory Type

1866/1600/1333MHz Unbuffered non-ECC SO-DIMM DDR3L, 204-pin gold-plated DIMMs

DIMM Sizes

8GB, 4GB, 2GB

Memory Voltage

1.35 V

On-Board Devices

Network Controllers

Dual GbE LAN with Intel i210-IT controller

Input / Output

LAN

2 RJ45 Gigabit Ethernet LAN ports

USB

2 USB 3.0 (front)

4 USB 2.0 (rear)

COM Port

4 COM ports (4 headers); 2 RS232, 2 RS232/422/485, RS-485 supports auto flow control

Video

1 VGA, 1 HDMI

Others

8-bit configurable GPIO via DB9

Chassis

Form Factor

3.5" SBC

Model

CSE-E101

Dimensions

Width

7.68" (195mm) / 11.81" (300mm) - pkg.

Height

1.73" (44mm) / 5.12" (130mm) - pkg.

Depth

5.94" (151mm) / 11" (279mm) - pkg.

Available Colors

Black

Front Panel

Buttons

Power On/Off button

LEDs

Power LED and Hard drive activity LED

Expansion Slots

PCI-Express

1 Full size Mini-PCIe (1 USB 2.0, 1 PCIe Gen2)

Drive Bays

Internal

1 M.2 2280 B-Key for SATA or PCIe SSD (2242 can be supported with bracket)

System Cooling

Fans

Fan-less design

Power Supply

Lockable 12V DC 40W power adapter

System BIOS

BIOS Type

64Mb SPI Flash EEPROM with AMI UEFI BIOS

BIOS Features

Plug and Play (PnP)

DMI 2.3

ACPI 5.0

USB Keyboard support

SMBIOS 2.7.1

UEFI

Management

Software

SuperDoctor® 5 (/products/nfo/SMS_SD5.cfm)

Watch Dog

Power Configurations

ACPI Power Management

ATX Power connector

Control of power-on for recovery from AC power loss

CPU thermal trip support for processor protection

Operating Environment / Compliance**RoHS**

RoHS Compliant

Environmental Spec.

Operating Temperature:

-20°C to 60°C (-4°F to 140°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)

Operational Vibration, IEC 60068-2-64, 5 Grms, random, 5~500 Hz,
1hr/axis

Operational Shock, IEC 60068-2-27, 30G, half sine, 11ms

The use of industrial grade wide-temperature peripherals is

Parts List

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