SuperServer E100-9AP



Integrated Board



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

Super A2SAN-E (/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.

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

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)