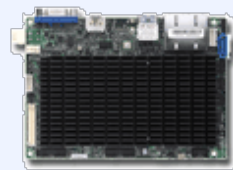




SuperServer E100-9AP



Integrated Board



[Super A2SAN-E](#)

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-AT
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



- ▶ [Drivers & Utilities](#)
- ▶ [BIOS](#)
- ▶ [IPMI](#)
- ▶ [Tested Memory](#)
- ▶ [Tested M.2 List](#)
- ▶ [Manuals](#)
- ▶ [OS Certification Matrix](#)

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

Specifications

Product SKUs	
SYS-E100-9AP	<ul style="list-style-type: none"> • SuperServer E100-9AP (Black)
Motherboard	
Super A2SAN-E	
Processor/Cache	
CPU	<ul style="list-style-type: none"> • Intel® Atom® Processor E3940 • FCBGA 1296 • System-on-Chip • CPU TDP support 9W
System Memory	
Memory Capacity	<ul style="list-style-type: none"> • 1x 204-pin DDR3L SO-DIMM socket

Chassis	
Form Factor	<ul style="list-style-type: none"> • 3.5" SBC
Model	<ul style="list-style-type: none"> • CSE-E101
Dimensions	
Width	<ul style="list-style-type: none"> • 7.68" (195mm) / 9.5" (241mm) - pkg.
Height	<ul style="list-style-type: none"> • 1.73" (44mm) / 5.5" (140mm) - pkg.
Depth	<ul style="list-style-type: none"> • 5.94" (151mm) / 8" (203mm) - pkg.
Available Colors	<ul style="list-style-type: none"> • Black
Front Panel	
Buttons	<ul style="list-style-type: none"> • Power On/Off button
LEDs	<ul style="list-style-type: none"> • Power LED and Hard drive activity LED
Expansion Slots	

Memory Type	<ul style="list-style-type: none"> 1866/1600/1333MHz Unbuffered non-ECC SO-DIMM DDR3L, 204-pin gold-plated DIMMs
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DIMM Sizes	<ul style="list-style-type: none"> 8GB, 4GB, 2GB
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Memory Voltage	<ul style="list-style-type: none"> 1.35 V
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On-Board Devices

Network Controllers	<ul style="list-style-type: none"> Dual GbE LAN with Intel i210-AT controller
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Input / Output

LAN	<ul style="list-style-type: none"> 2 RJ45 Gigabit Ethernet LAN ports
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USB	<ul style="list-style-type: none"> 2 USB 3.0 (front) 4 USB 2.0 (rear)
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COM Port	<ul style="list-style-type: none"> 4 COM ports (4 headers); 2 RS232, 2 RS232/422/485, RS-485 supports auto flow control
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Video	<ul style="list-style-type: none"> 1 VGA, 1 HDMI
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Others	<ul style="list-style-type: none"> 1 DIO via DB9
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PCI-Express	<ul style="list-style-type: none"> 1 Full size Mini-PCIe (1 USB 2.0, 1 PCIe Gen2)
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Drive Bays

Internal	<ul style="list-style-type: none"> 1 M.2 2280 B-Key for SATA or PCIe SSD (2242 can be supported with bracket)
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System Cooling

Fans	<ul style="list-style-type: none"> Fan-less design
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Power Supply

Lockable 12V DC 40W power adapter

System BIOS

BIOS Type	<ul style="list-style-type: none"> 64Mb SPI Flash EEPROM with AMI UEFI BIOS
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BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) DMI 2.3 ACPI 5.0 USB Keyboard support SMBIOS 2.7.1 UEFI
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Management

Software	<ul style="list-style-type: none"> SuperDoctor® 5 Watch Dog
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Power Configurations	<ul style="list-style-type: none"> ACPI Power Management ATX Power connector Control of power-on for recovery from AC power loss CPU thermal trip support for processor protection
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Operating Environment / Compliance

RoHS	<ul style="list-style-type: none"> RoHS Compliant
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Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: -20°C to 60°C (-4°F to 140°F) 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
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Parts List

[See Parts List](#)

