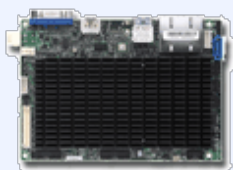




SuperServer E100-9AP-IA



Integrated Board



Super A2SAN-E

Key Features

- IoT Gateway for Smart Factory/Building
- Machine Automation
- Industrial Application

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. 1 HDMI, 1 VGA, 2 USB 3.0, 4 USB 2.0
7. 2 RS232, 2 RS232/422/485, RS-485 supports auto flow control, 1 DIO via DB9
8. Fanless design
9. 12V DC 60W power adapter with Terminal Block, support 9-36V DC-in

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-IA	• SuperServer E100-9AP-IA (Black)
Motherboard	
Super A2SAN-E	
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

Chassis	
Form Factor	• 3.5" SBC
Model	• CSE-E101-IA
Dimensions	
Width	• 7.64" (194mm) / 9.5" (241mm) - pkg.
Height	• 3.15" (80mm) / 5.5" (140mm) - pkg.
Depth	• 4.96" (126mm) / 8" (203mm) - pkg.
Weight	• Gross Weight: 3.97 lbs (1.8 kg) • Net Weight: 3.31 lbs (1.5 kg)
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 (USB 2.0/PCIe) • 1 M.2 2280 B-Key for SATA or PCIe SSD

Memory Voltage	1.35 V
On-Board Devices	
SATA	SoC controller for 1 SATA3 (6Gbps)
Network Controllers	Dual GbE LAN with Intel i210-AT controller
Input / Output	
LAN	2 RJ45 Gigabit Ethernet LAN ports
USB	2 USB 3.0 (front) 4 USB 2.0 (side)
COM Port	2 RS232, 2 RS232/422/485, RS-485 supports auto flow control 1 DIO via DB9
Video	1 VGA, 1 HDMI

(2242 can be supported with bracket)	
Drive Bays	
Internal	1 SATA SSD (SATA3)
System Cooling	
Fans	Fan-less design
Power Supply	
12V DC 60W power adapter with Terminal Block	
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 - 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) - 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, randon, 5-500 Hz, 1hr/axis
Operational Shock	IEC 60068-2-27, 30G, half sine, 11ms

Parts List

[See Parts List](#)