

SuperServer E200-9AP



Integrated Board



Super A2SAV-L

Key Features

- Compact Embedded Mini ITX Box
- Security Appliance
- Video Surveillance
- Digital Signage, Indoor Kiosk

1. Intel® Atom processor E3940, SoC, FCBGA 1296
2. System-on-Chip
3. 1x 2.5" internal drive bay
4. Up to 8GB Unbuffered non-ECC DDR3-1866MHz SO-DIMM in 1 DIMM slot
5. M.2 PCIe 2.0 x2, MKey 2242/2280
6. Dual GbE LAN ports via Intel I210IT
7. 1 DP (DisplayPort), 1 HDMI, 1 VGA, 1 Intel® HD Graphics
8. 2 USB 3.0 (rear), 2 USB 2.0 (rear), 3 COM ports (1 rear, 2 headers), 1 SuperDOM
9. 1x 4cm high performance PWM fan
10. 60W DC power adapter

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

Specifications

Product SKUs

- SYS-E200-9AP** ■ SuperServer E200-9AP (Black)

Motherboard

Super A2SAV-L

Processor/Cache

- CPU** ■ Intel® Atom® Processor E3940, 4 Core, 64-bit, 14nm
 - FCBGA 1296
 - System-on-Chip

System Memory

- Memory Capacity** ■ 1x 204-pin DDR3 SO-DIMM socket
- Memory Type** ■ 1866/1600/1333MHz Unbuffered non-ECC SO-DIMM DDR3, 204-pin gold-plated DIMMs
- DIMM Sizes** ■ 8GB, 4GB, 2GB
- Memory Voltage** ■ 1.5 V, 1.35 V

On-Board Devices

- SATA** ■ SoC controller for 2 SATA3 (6Gbps)
- Network Controllers** ■ Dual GbE LAN with Intel i210IT controller
 - Virtual Machine Device Queues reduce I/O overhead
 - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
- Video** ■ Intel HD Graphics

Input / Output

- SATA** ■ 2 SATA3 (6Gbps) ports
- LAN** ■ 2 RJ45 Gigabit Ethernet LAN ports
- USB** ■ 2 USB 3.0 (rear)
 - 2 USB 2.0 (rear)
- COM Port** ■ 3 COM ports (1 rear, 2 headers)
 - 1 in RJ45, 1 in RS232, and 1 in RS485
- DOM** ■ 1 SATA DOM (Disk on Module) power connector
- Video** ■ 1 VGA, 1 DP (Display Port), 1 HDMI, 1 Intel HD Graphics

Chassis

- Form Factor** ■ Mini-ITX

- Model** ■ CSE-101S

Dimensions

- Width** ■ 7.68" (195mm) / 15" (381mm) - pkg.
- Height** ■ 1.75" (44.5mm) / 10.87" (276mm) - pkg.
- Depth** ■ 7.68" (195mm) / 5.59" (142mm) - pkg.
- Weight** ■ Gross Weight: 7.5 lbs (3.4 kg)
 - Net Weight: 7.5 lbs (3.4 kg)
- Available Colors** ■ Black

Front Panel

- Buttons** ■ Power On/Off button
- LEDs** ■ Power LED (Hard drive activity LED)

Expansion Slots

- PCI-Express** ■ M.2 PCIe 2.0 x2, M Key 2242/2280

Drive Bays

- Internal** ■ 1x 2.5" internal drive tray

System Cooling

- Fans** ■ 1x 4cm high performance PWM fan; support up to 2 chassis fans

Power Supply

- 60W DC 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
 - 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
- Fan** ■ Fans with tachometer status monitoring
 - Status monitor for speed control
 - Low noise fan speed control
 - Pulse Width Modulated (PWM) fan connectors

Operating Environment / Compliance

RoHS

- RoHS Compliant

Environmental Spec.

- Operating Temperature:
10°C to 35°C (50°F to 95°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)
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Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-A2SAV-L	1	Super A2SAV-L Motherboard
	CSE-101S	1	Embedded Mini-ITX Chassis
Power Adapter	MCP-250-10117-0N	1	60W DC power adapter

Optional Parts List

	Part Number	Qty	Description
Dual System Tray	MCP-290-10108-0B	-	Dual system tray for Mini-ITX system
mSATA 128GB	HDS-MTM-THNSNH128GMCT	-	Toshiba mSATA 128GB MLC
mSATA 256GB	HDS-MTM-THNSNH256GMCT	-	Toshiba mSATA 256GB MLC