

SuperServer E50-9AP-L



Integrated Board



A2SAP-H

Views: | [Angled View](#) | [Front View](#) | [Rear View](#) |

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

Product SKUs	
SYS-E50-9AP-L	■ SuperServer E50-9AP-L (Black)

Motherboard	
Super A2SAP-H	

Processor/Cache	
CPU	■ Intel® Atom® processor E3940 ■ Single socket FCBGA 1296 ■ 9.5W, 4C

System Memory	
Memory Capacity	■ Up to 8GB Unbuffered non-ECC SO-DIMM, DDR3L-1866MHz, in 1 DIMM socket
Memory Type	■ DDR3L up to 1866MHz
DIMM Sizes	■ 8GB, 4GB
Memory Voltage	■ 1.35 V

On-Board Devices	
Chipset	■ System on Chip
Network Controllers	■ Dual LAN with Intel® Ethernet Controller I210-IT
Graphics	■ Intel® HD Graphics ■ HDMI (max. resolution up to 3840 x 2160 @ 30Hz)

Input / Output	
LAN	■ 2 RJ45 Gigabit Ethernet LAN ports
USB	■ 2 USB 3.0 ports (rear)
Video	■ 1 HDMI port

Key Features

- Cost Optimized IoT Gateway
- Commercial Appliance

1. Intel® Atom® processor E3940 (9.5W, 4C) Single socket FCBGA 1296
2. System on Chip
3. Up to 8GB Unbuffered Non-ECC SO-DIMM, DDR3L-1866MHz, in 1 socket
4. 1 Half size Mini-PCle, 1 M.2 B-Key 2242 for SATA SSD
5. Dual LAN with Intel I210-IT
6. 2 USB 3.0, 1 HDMI
7. Fanless design
8. Lockable 12V DC 40W power adapter

Chassis	
Form Factor	<ul style="list-style-type: none">Proprietary
Model	<ul style="list-style-type: none">CSE-E50-L
Dimensions	
Width	<ul style="list-style-type: none">5.82" (148mm)
Height	<ul style="list-style-type: none">1.72" (44mm)
Depth	<ul style="list-style-type: none">4.64" (118mm)
Package	<ul style="list-style-type: none">5.5" (H) x 9.5" (W) x 8" (D)
Weight	<ul style="list-style-type: none">Gross Weight: 3.52 lbs (1.6 kg)Net Weight: 2.2 lbs (1 kg)
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 (Hard drive activity LED)

Expansion Slots	
PCI-Express	<ul style="list-style-type: none">1 Half size Mini-PCle
M.2	<ul style="list-style-type: none">1 M.2 B-Key 2242 for storage (SATA SSD)

System Cooling	
Fans	<ul style="list-style-type: none">Fanless design

Power Supply	
40W lockable 12V DC power adapter	

System BIOS	
BIOS Type	<ul style="list-style-type: none">AMI UEFI

Management	
Software	<ul style="list-style-type: none">SuperDoctor® 5Watch Dog
Power Configurations	<ul style="list-style-type: none">+12V DC Power InputACPI Power ManagementControl of power-on for recovery from AC power lossForce Power On by Jumper

Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none">RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none">Operating Temperature: -20°C to 50°C (-4°F to 122°F) with 0.7 m/s air flowNon-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) <p>The use of industrial grade wide-temperature peripherals is required to meet 50°C operating temperature.</p>

Parts List - (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-A2SAP-H	1	Super A2SAP-H Motherboard
	CSE-E50-L	1	IP51 Fanless Chassis for 2.5" PICO
Cable 1	CBL-PWCD-0260-IS	1	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,18AWG,RoHS/REACH
Power Adapter	MCP-250-10135-0N	1	40W 12V 3.33A, AC to DC lockable power adapter (0-40°C)