

SuperServer E100-9S-L



Integrated Board



Super X11SSN-L-WOHS

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Key Features

- IoT Edge Computing
- Kiosk, Interactive info system
- Environmental Monitor

1. 7th Generation Intel® Core™ i3-7100U Processor; Single Socket FCBGA 1356

2. System-on-Chip

3. 1 M.2 B-Key 2280, 1 Full size Mini-PCI-E

4. Up to 32GB Unbuffered Non-ECC SO-DIMM DDR4 2133MHz; 2 DIMM slots

5. Dual GbE LAN w/ Intel i219LM + i210IT

6. 4 COM (RS-232/422/485), 2 USB 3.0, 4 USB 2.0, 1 DIO via DB9

7. 1 Display Port, 1 HDMI port

8. Fanless design

9. Lockable 12V DC 60W power adapter

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

Specifications

Product SKUs

SYS-E100-9S-L	■ SuperServer E100-9S-L (Black)
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Motherboard

Super X11SSN-L-WOHS

Processor/Cache

CPU	■ 7th Generation Intel® Core i3-7100U Processor ■ Single Socket FCBGA 1356 ■ System-on-Chip ■ CPU TDP support 15W
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System Memory

Memory Capacity	■ Up to 32GB Unbuffered non-ECC SO-DIMM, DDR4-2133MHz, in 2 DIMM slots
Memory Type	■ DDR4 up to 2133MHz
DIMM Sizes	■ 16GB, 8GB, 4GB
Memory Voltage	■ 1.2V

On-Board Devices

Chipset	■ System on Chip
Network Controllers	■ Single LAN with Intel® I210IT ■ Single LAN with Intel® PHY I219LM
Video	■ Intel® HD Graphics 620

Input / Output

USB	■ 1 USB 3.1 (Type C) ■ 2 USB 3.0 (rear via header) ■ 4 USB 2.0 (rear via headers)
Video Output	■ 1 DP (Display Port) port ■ 1 HDMI port
COM Port	■ 4 COM ports (4 headers) ■ 2 RS232, 2 RS232/422/485, RS-485 supports auto flow control
Audio	■ 1 HD Audio header (Mic-in/Line-Out) (option)
Others	■ 1 DIO via DB9

Chassis

Form Factor	■ 3.5" SBC
Model	■ CSE-E101-01

Dimensions

Width	■ 7.68" (195mm) / 9.5" (241mm) - pkg.
Height	■ 1.73" (44mm) / 5.5" (140mm) - pkg.
Depth	■ 5.94" (151mm) / 8" (203mm) - pkg.
Weight	■ Net Weight: 2.65 lbs (1.2 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 (1 USB 2.0, 1 PCIe Gen2, 1 SATA Gen3)
M.2	■ Interface: SATA and PCIe 3.0 x1 and USB 2.0 ■ Form Factor: B-Key 2242, 2280

Drive Bays

Internal	■ 1 M.2 2280 B-Key for SATA or PCIe SSD (2242 can be supported with bracket)
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System Cooling

Fans	■ Fan-less design
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Power Supply

Lockable 12V DC 60W power adapter

System BIOS

BIOS Type	■ AMI UEFI
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Management

Software	■ <u>SuperDoctor® 5</u> ■ Watch Dog
Power Configurations	■ +12V DC Power Input ■ ACPI Power Management ■ Control of power-on for recovery from AC power loss ■ Force Power On by Jumper ■ CPU thermal trip support for processor protection

Operating Environment / Compliance

RoHS	■ RoHS Compliant
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**Environmental
Spec.**

- Operating Temperature:
0°C ~ 50°C (32°F ~ 122°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-X11SSN-L-WOHS	1	Super X11SSN-L-WOHS Motherboard
	CSE-E101-01	1	Chassis for Embedded 3.5" SBC
Power Adapter	MCP-250-10117-0N	1	60W DC power adapter with US power cord 18AWG 6ft (0-40°C)