

SuperServer E100-9S



Integrated Board



Super X11SSN-H-WOHS

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

Key Features

- IoT Gateway for Smart Factory/Building/Home
- Kiosk, Interactive info system
- Environmental Monitor

1. 7th Generation Intel® Core™ i7-7600U 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

Specifications

Product SKUs

SYS-E100-9S ■ SuperServer E100-9S (**Black**)

Motherboard

Super X11SSN-H-WOHS

Processor/Cache

CPU ■ 7th Generation Intel® Core i7-7600U Processor
■ Single Socket FCBGA 1356
■ System-on-Chip
■ CPU TDP support 15W

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)

System Cooling

Fans ■ Fan-less design

Power Supply

Lockable 12V DC 60W power adapter

System BIOS

BIOS Type ■ AMI UEFI

Management

Software ■ SuperDoctor® 5
■ Watch Dog
■ vPro
■ AMT

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

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)

Operational Vibration

- IEC 60068-2-64, 5 Grms, randon, 5-500 Hz, 1hr/axis

Operational Shock

- IEC 60068-2-27, 30G, half sine, 11ms
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Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SSN-H-WOHS	1	Super X11SSN-H-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)