

SuperServer E100-9S



Integrated Board



Super X11SSN-H-WOHS

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

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested Memory](#) | [Tested M.2 List](#) | [Manuals](#) | [OS Certification Matrix](#)

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

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 ■ 8-bit configurable GPIO via DB9

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

Chassis	
Form Factor	■ 3.5" SBC
Model	■ CSE-E101-01
Dimensions	
Width	■ 7.68" (195mm) / 11.81" (300mm) - pkg.
Height	■ 1.73" (44mm) / 5.12" (130mm) - pkg.
Depth	■ 5.94" (151mm) / 11" (279mm) - 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 2280
Drive Bays	
Internal	■ 1 M.2 2280 B-Key for SATA or PCIe SSD
System Cooling	
Fans	■ Fan-less design
Power Supply	
Lockable 12V DC 60W power adapter	
System BIOS	
BIOS Type	■ AMI UEFI
Management	
Software	■ <u>SuperDoctor® 5</u> ■ 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.	<ul style="list-style-type: none"> ■ Operating Temperature: 0°C ~ 50°C (32°F ~ 122°F) with 0.7 m/s air flow ■ 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) <p>The use of industrial grade wide-temperature peripherals is required to meet 50°C operating temperature.</p>
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 - (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-250-10134-0N	1	60W DC power adapter with US power cord 18AWG 6ft (0-40°C)