SuperServer E100-9W-C

Integrated Board

Super X11SWN-C-WOHS

Views: | Angled View | Front View | Rear View |

▶ **Drivers & Utilities** ▶ **BIOS** ▶ **IPMI** ▶ **Tested Memory** ▶ **Tested M.2 List** ▶ **Manuals** ▶ **OS Certification Matrix** ▶ **Quick-References Guide**

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

Key Features

- **- Industrial Automation, Retail**
- **- Smart Medical Expert Systems**
- **- Kiosk, Interactive info system**
- **- Digital Signage**

1. Intel® Celeron® Processor 4305UE; Single Socket FCBGA-1528

2. System-on-Chip

3. M.2: M-Key 2242/2280, E-Key 2230, B-Key 2242/2280

4. Up to 64GB Unbuffered Non-ECC SO-DIMM DDR4 2400MHz; 2 DIMM slots

5. Dual GbE LAN w/ Intel i219LM + i210IT

6. 4 COM (RS-232/422/485), 4 USB 3.1, 1 DIO via DB9

7. 1 HDMI and 1 Display Port

8. Fanless design

9. Lockable 12V DC 60W power adapter

Product SKUs	
SYS-E100-9W-C	▪ SuperServer E100-9W-C (**Black**)

Motherboard
Super X11SWN-C-WOHS

Processor/Cache	
CPU	▪ Intel® Celeron® Processor 4305UE ▪ Single Socket FCBGA-1528 ▪ System-on-Chip ▪ CPU TDP support 15W
Note	BIOS version 2.0 or above is required

System Memory	
Memory Capacity	▪ Up to 64GB Unbuffered non-ECC SO-DIMM, DDR4-2400MHz, in 2 DIMM slots
Memory Type	▪ DDR4 up to 2400MHz
DIMM Sizes	▪ 32GB, 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
Audio	▪ ALC 888S HD Audio
Video	▪ Intel® UHD Graphics 620

Input / Output	
USB	▪ 4 USB 3.1 Gen2 ports (Type A), 4 USB 2.0 (Type A)
Video Output	▪ 1 HDMI and 1 Display Port
COM Port	▪ 4 COM ports: 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

Chassis

Form Factor	▪ 3.5" SBC
Model	▪ **CSE-E101-02**

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	▪ Gross Weight: 4.5 lbs (2.04 kg) ▪ 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

M.2	▪ Key: B-Key, M-Key, E-Key ▪ M.2 2242/3042/2280 ▪ B-Key (1 USB 3.0/2.0, 1 SATA Gen3) with nano SIM holder

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
Power Configurations	▪ +12V ~ +24V DC Wide power range 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) 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) ▪ Operational Vibration, IEC 60068-2-64, 5 Grms, random, 5~500 Hz, 1hr/axis ▪ Operational Shock, IEC 60068-2-27, 30G, half sine, 11ms The use of industrial grade wide-temperature peripherals is required to meet 50°C operating temperature.

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SWN-C-WOHS	1	Super X11SWN-C-WOHS Motherboard
	CSE-E101-02	1	Fanless Enclosure for 3.5" motherboard
Power Adapter	MCP-250-10134-0N	1	60W DC power adapter with US power cord 18AWG 6ft (0-40°C)