

SuperServer E100-9W-E



Integrated Board



Super X11SWN-E-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.

Product SKUs

SYS-E100-9W-E ■ SuperServer E100-9W-E (Black)

Motherboard

Super X11SWN-E-WOHS

Processor/Cache

CPU ■ 8th Generation Intel® Core™ i5-8365UE Processor
 ■ 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

Key Features

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

1. 8th Generation Intel® Core™ i5-8365UE Processor; 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

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	■ <u>SuperDoctor® 5</u> ■ Watch Dog ■ vPro ■ AMT
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.	<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) ■ Operational Vibration, IEC 60068-2-64, 5 Grms, random, 5~500 Hz, 1hr/axis ■ Operational Shock, IEC 60068-2-27, 30G, half sine, 11ms <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-X11SWN-E-WOHS	1	Super X11SWN-E-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)