

SuperServer E100-9W-E



Integrated Board



Super X11SWN-E-WOHS

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

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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

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

Specifications

Product SKUs

- **SYS-E100-9W-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** ■ 1 DIO 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
 - 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.** ■ 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)

Parts List

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-250-10117-0N	1	60W DC power adapter with US power cord 18AWG 6ft (0-40°C)