

SuperServer E100-9W-L



Integrated Board



[\(/products/motherboard/Core/1356/X11SWN-L-](/products/motherboard/Core/1356/X11SWN-L-)

[WOHS.cfm](#))

Super X11SWN-L-WOHS (</products/motherboard/Core/1356/X11SWN-L->
[WOHS.cfm](#))

Views: | [Angled View \(/a_images/products/views/E100-9W-L_angle.jpg\)](/a_images/products/views/E100-9W-L_angle.jpg) | [Front View \(/a_images/products/views/E100-9W-L_front.jpg\)](/a_images/products/views/E100-9W-L_front.jpg) | [Rear View \(/a_images/products/views/E100-9W-L_rear.jpg\)](/a_images/products/views/E100-9W-L_rear.jpg) |

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested Memory](#)

[Tested M.2 List \(/en/support/resources/m2ssd?SystemID=87006&ProductName=SSE100-9W-L\)](/en/support/resources/m2ssd?SystemID=87006&ProductName=SSE100-9W-L)

[Manuals](#)

[OS Certification Matrix \(/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2DE100%2D9W%2DL\)](/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2DE100%2D9W%2DL)

[Quick-References Guide](#)

Key Features

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

1. 8th Generation Intel® Core™ i3-8145UE 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



[\(/Global S](#)

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-L

SuperServer E100-9W-L (Black)

Motherboard

Super X11SWN-L-WOHS

(</products/motherboard/Core/1356/X11SWN-L-WOHS.cfm>).

Processor/Cache

CPU

8th Generation Intel® Core™ i3-8145UE 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

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 \(/products/nfo/SMS_SD5.cfm\)](/products/nfo/SMS_SD5.cfm)

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

[Global SKU \(/en/products/SMC_global_skus\)](/en/products/SMC_global_skus)
