

# SuperServer E100-9W-H



## Integrated Board



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

[WOHS.cfm](#)),

[Super X11SWN-H-WOHS](#) ([\(/products/motherboard/Core/1356/X11SWN-H-]((/products/motherboard/Core/1356/X11SWN-H-)

[WOHS.cfm](#)).

**Views:** | [Angled View \(/a\\_images/products/views/E100-9W-H\\_angle.jpg\)](/a_images/products/views/E100-9W-H_angle.jpg) | [Front View \(/a\\_images/products/views/E100-9W-H\\_front.jpg\)](/a_images/products/views/E100-9W-H_front.jpg) | [Rear View \(/a\\_images/products/views/E100-9W-H\\_rear.jpg\)](/a_images/products/views/E100-9W-H_rear.jpg) |

## Key Features

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

1. 8th Generation Intel® Core™ i7-8665UE 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

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

[Tested M.2 List \(/en/support/resources/m2ssd?SystemID=87005&ProductName=SSE100-9W-H\)](/en/support/resources/m2ssd?SystemID=87005&ProductName=SSE100-9W-H)

[Manuals](#)

[OS Certification Matrix \(/support/resources/OS/OS\\_Certification\\_Intel.cfm?MProduct\\_Name=SYS%2DE100%2D9W%2DH\)](/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2DE100%2D9W%2DH)

[Quick-References Guide](#)

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-H

SuperServer E100-9W-H (Black)

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## Motherboard

### Super X11SWN-H-WOHS

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

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## Processor/Cache

### CPU

8th Generation Intel® Core™ i7-8665UE Processor

Single Socket FCBGA-1528

System-on-Chip

CPU TDP support 15W

### Note

BIOS version 2.0 or above is required

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## 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

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## 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

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## 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

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## Chassis

### Form Factor

3.5" SBC

### Model

CSE-E101-02

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## 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

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## Front Panel

### Buttons

Power On/Off button

### LEDs

Power LED and Hard drive activity LED

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## 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

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## System Cooling

### Fans

Fan-less design

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## Power Supply

Lockable 12V DC 60W power adapter

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## System BIOS

### BIOS Type

AMI UEFI

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## Management

### Software

[SuperDoctor® 5 \(/products/nfo/SMS\\_SD5.cfm\)](/products/nfo/SMS_SD5.cfm)

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

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## 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.

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## Parts List

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[Global SKU \(/en/products/SMC\\_global\\_skus\)](/en/products/SMC_global_skus)

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