SuperServer E100-9W-E



Integrated Board



(/products/motherboard/Core/1356/X11SWN-E-WOHS.cfm)

Super X11SWN-E-WOHS

(/products/motherboard/Core/1356/X11SWN-E-WOHS.cfm)

Views: | **Angled View (/a_images/products/views/E100-9W-E_angle.jpg)** | **Front View (/a_images/products/views/E100-9W-E_front.jpg)** | **Rear View (/a_images/products/views/E100-9W-E_rear.jpg)** |

Drivers & Utilities **BIOS** **IPMI** **Tested Memory**

Tested M.2 List (/en/support/resources/m2ssd?SystemID=87004&ProductName=SSE100-9W-E)

Manuals

OS Certification Matrix (/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2DE100%2D9W%2DE)

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. 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

Specifications

Product SKUs

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

Motherboard

Super X11SWN-E-WOHS
(/products/motherboard/Core/1356/X11SWN-E-WOHS.cfm)

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

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)
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) 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

Parts List

	Global SKU (/en/products/SMC_global_skus)