



Integrated Board



Super X11SWN-E-WOHS

Views: | [Angled View](#) | [Front View](#) | [Side View 1](#) | [Side View 2](#) |

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested Memory](#) | [Tested M.2 List](#) | [Drive Options](#) | [Manuals](#) | [Quick-References Guide](#) | [OS Certification Matrix](#)

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-IA-E**
 - SuperServer E100-9W-IA-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

- LAN**
 - 2 RJ45 Gigabit Ethernet LAN ports
- 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
 - 1 TPM Chip

Key Applications

- Industrial Automation & Control
- Machine Automation

Key Features

- 8th Generation Intel® Core™ i5-8365UE Processor; Single Socket FCBGA-1528
- System-on-Chip
- M.2: M-Key 2242/2280, E-Key 2230, B-Key 2242/2280
- Up to 64GB Unbuffered Non-ECC SO-DIMM DDR4 2400MHz; 2 DIMM slots
- Dual GbE LAN w/ Intel i219LM + i210IT
- 4 COM (RS-232/422/485), 4 USB 3.1, 4 USB 2.0, 1 DIO via DB9
- 1 HDMI and 1 Display Port
- Fanless design
- 12V DC 60W power adapter with Terminal Block, support 12-24V DC-in

Chassis

Form Factor	<ul style="list-style-type: none"> 3.5" SBC
Model	<ul style="list-style-type: none"> CSE-E101-IA2

Dimensions

Width	<ul style="list-style-type: none"> 7.64" (194mm) / 11.81" (300mm) - pkg.
Height	<ul style="list-style-type: none"> 4.52" (115mm) / 5.12" (130mm) - pkg.
Depth	<ul style="list-style-type: none"> 4.96" (126mm) / 11" (279mm) - pkg.
Weight	<ul style="list-style-type: none"> Gross Weight: 4.3 lbs (1.95 kg) Net Weight: 3.7 lbs (1.68 kg)
Available Colors	<ul style="list-style-type: none"> Black

Front Panel

Buttons	<ul style="list-style-type: none"> Power On/Off button
LEDs	<ul style="list-style-type: none"> Power LED and Hard drive activity LED

Expansion Slots

M.2	<ul style="list-style-type: none"> Key: B-Key, M-Key, E-Key M.2 2242/3042/2280 B-Key (USB 3.0/2.0 x1, SATA Gen3 x1) with nano SIM holder M.2 2230 E-Key (CNVi/PCI-E 3.0 x1/USB2) M.2 2242/2280 M-Key (PCI-E 3.0 x4, SATA Gen 3 x1), NVMe support
------------	--

System Cooling

Fans	<ul style="list-style-type: none"> Fan-less design
-------------	---

Power Supply

12V DC 60W power adapter with Terminal Block
--

System BIOS

BIOS Type	<ul style="list-style-type: none"> AMI UEFI
------------------	--

Management

Software	<ul style="list-style-type: none"> <u>SuperDoctor@ 5</u> Watch Dog vPro AMT
Power Configurations	<ul style="list-style-type: none"> +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	<ul style="list-style-type: none"> 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-IA2	1	Fanless Industrial Enclosure for 3.5" motherboard
Power Adapter	MCP-250-10134-0N	1	60W 12V 3.33A, AC to DC power adapter w/ terminal block,HF,R