

# IoT SuperServer SYS-E100-13AD-L

Fanless Box PC with Intel i3-1215UE and supports 2x 2.5GbE LAN ports, 1 HDMI 2.0b (4K60Hz), 1 HDMI 1.4b



More details here

## Key Applications

IoT Gateway, Industrial Automation, Healthcare, Smart Building, Security and Surveillance, Digital Signage / PoS,

## Key Features

- Wi-Fi enabled system. Optional Intel® Wi-Fi 6E AX210 Gig+ integration with support for Wi-Fi 4, 5, 6, 6E R2, and Bluetooth® 5.3;
- Alder Lake-U 12th Generation Intel® Core™i3-1215UE;
- 2x DDR5-4800MT/s Non-ECC SO-DIMM max 64GB;
- M.2 M/B/E-Key with Nano SIM Card Slot;
- 2x LAN 2.5GbE;
- Fanless (Op. Temperature 0C ~ +50C);
- 4 Independent Displays: HDMI2.0b/1.4b + DP 1.4a (Alt mode USB Typ-C);



### Form Factor

Fanless Embedded  
Enclosure: 195 x 44 x 150mm (7.68" x 1.73" x 5.94")  
Package: 300 x 130 x 279mm (11.81" x 5.12" x 11")

### Processor

Single FCBGA-1744  
Intel® Core™ i3-1215UE  
Up to 6C/12T; Up to 10MB Cache

### System Memory

Slot Count: 2 DIMM slots/2 Channels  
Max Memory (2DPC): Up to 64GB 4800MT/s non-ECC DDR5 SO-DIMM

### Drive Bays Configuration

1 M.2 PCIe 4.0 x4 NVMe slot (M-key 2242/2280)  
1 M.2 SATA slot (B-key 2242/2280; USB 3.0)

### Expansion Slots

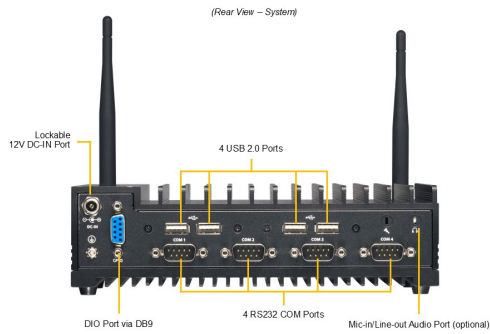
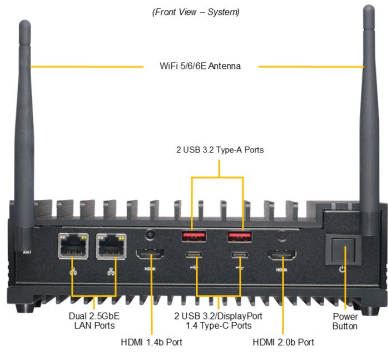
1 M.2 SATA slot (B-key 2242/2280; USB 3.0)  
1 M.2 slot (E-key 2230; USB 2.0)

### On-Board Devices

Chipset: intel System on Chip  
Network Connectivity: 2 RJ45 2.5GbE with Intel® I225-IT

### Input / Output

LAN: 2 RJ45 2.5 GbE LAN ports (Intel® I225-IT)  
USB: 2 USB 3.2 Gen1 Type-C ports(front)  
2 USB 3.2 Gen1 Type-A ports(front)  
4 USB 2.0 Type-A ports(Rear)  
Video: 1 HDMI 2.0b port(Front)  
1 HDMI 1.4b port(Front)  
2 Mini-DP 1.4 ports(Front)  
Serial: 4 COM ports(Rear)  
TPM: 1 TPM Onboard/port 80



|                       |                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | Fans: N/A                                                                                                                                                                                                                                                   |
| Power Supply          | 1x 84W power supply                                                                                                                                                                                                                                         |
| System BIOS           | BIOS Type: AMIUEFI<br>BIOS Features: ACPI 6.4<br>SMBIOS 3.5 or later<br>UEFI 2.8<br>PCI F/W 3.0                                                                                                                                                             |
| Management            | Supermicro SuperDoctor® 5 (SD5)                                                                                                                                                                                                                             |
| Dimensions and Weight | Weight: Gross Weight: 4.3 lbs (1.95 kg)<br>Net Weight: 2.16 lbs (0.98 kg)<br>Available Color: Black                                                                                                                                                         |
| Operating Environment | RoHS Compliant<br>Operating Temperature: 0°C to 50°C (32°F to 122°F)<br>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing) |
| Motherboard           | <a href="#">Super X13SAN-L-WOHS</a>                                                                                                                                                                                                                         |
| Chassis               | CSE-E101-04                                                                                                                                                                                                                                                 |