

# IoT SuperServer SYS-E100-13AD-E

Fanless Box PC with Intel i5-1245UE and supports 2x 2.5GbE LAN ports, 1 HDMI 2.0b (4K60Hz), 1 HDMI 1.4b

## Key Applications

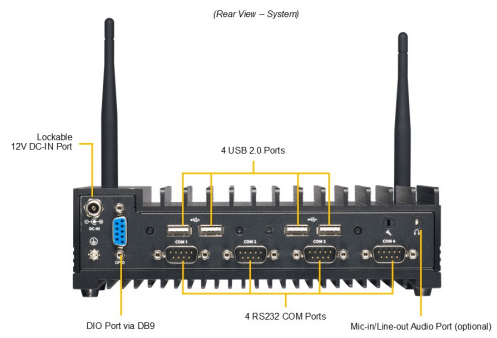
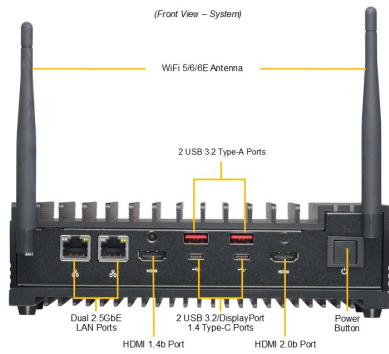
IoT Gateway, Industrial Automation, Healthcare, Smart Building, Security and Surveillance, Digital Signage / PoS,

## 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™ i5-1245UE Processor;
- 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 (Operaton Temperature 0°C ~ +50°C);
- Quad Independent Displays (Dual HDMI + Dual DP);



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|--------------------------|---|
| Form Factor              | Fanless Embedded<br>Enclosure: 195 x 44 x 150mm (7.68" x 1.73" x 5.94")<br>Package: 300 x 130 x 279mm (11.81" x 5.12" x 11")  |
| Processor                | Single FCBGA-1744<br>Intel® Core™ i5-1245UE<br>Up to 10C/20T; Up to 12MB Cache  |
| System Memory            | Slot Count: 2 DIMM slots/2 Channels<br>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)<br>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)<br>1 M.2 slot (E-key 2230; USB 2.0)  |
| On-Board Devices         | 2 RJ45 2.5GbE with Intel® I225-IT   |
| Input / Output           | LAN: 2 RJ45 2.5 GbE LAN ports (Intel® I225-IT)<br>USB: 2 USB 3.2 Gen1 Type-C ports(front)<br>2 USB 3.2 Gen1 Type-A ports(front)<br>4 USB 2.0 Type-A ports(Rear)<br>Video: 1 HDMI 2.0b port(Front)<br>1 HDMI 1.4b port(Front)<br>2 Mini-DP 1.4 ports(Front)<br>Serial: 4 COM ports(Rear)<br>TPM: 1 TPM Onboard/port 80 |



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|-----------------------|---|
| 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="#"><u>Super X13SAN-E-WOHS</u></a>  |
| Chassis               | CSE-E101-04   |