

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

Industrial Automation, Retail, Smart Medical Expert Systems, Digital Signage Kiosk, Interactive info system, IoT Gateway for Smart Factory, Smart Building, Security and Surveillance,

Key Features

- Integrated with Intel® Wi-Fi 6E AX210 Gig+, supporting 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);



Form Factor	Fanless Embedded Rackmount 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™ i5-1245UE Up to 10C/20T; Up to 12MB 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) 1 M.2 PCIe 4.0 x4 NVMe slot (M-key 2242/2280)
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 BIOS Features: ACPI 6.4 SMBIOS 3.5 or later UEFI 2.8 PCI F/W 3.0
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
Dimensions and Weight	Weight: Gross Weight: 4.3 lbs (1.95 kg) Net Weight: 2.16 lbs (0.98 kg) Available Color: Black
Operating Environment	RoHS Compliant Operating Temperature: 0°C ~ 50°C (32°F ~ 122°F) 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)
Motherboard	<u>Super X13SAN-E-WOHS</u>
Chassis	CSE-E101-04

