

IoT SuperServer SYS-E100-13AD-C

Fanless Box PC with Intel Celeron 7305E 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® Celeron® 7305E;
- 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® Celeron® Processor 7305E
Up to 5C/10T; Up to 8MB 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

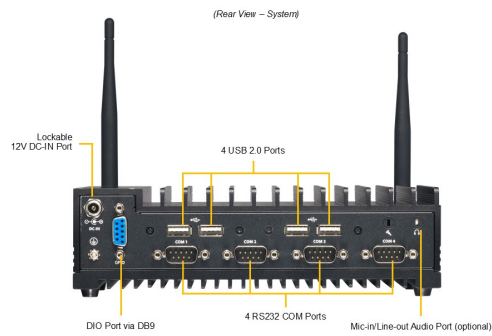
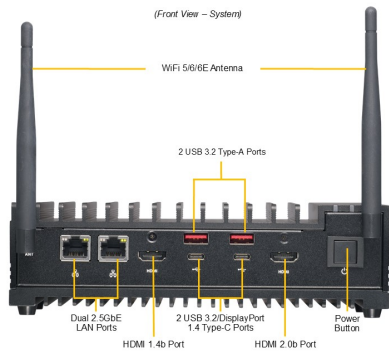
1 M.2 SATA slot (B-key 2242/2280; USB 3.0)
1 M.2 slot (E-key 2230; USB 2.0)

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)
1 Mini-DP 1.4 port(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	Supermicro SuperDoctor® 5 (SD5)
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 to 50°C (32°F to 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	Super X13SAN-C-WOHS
Chassis	CSE-E101-04