

IoT SuperServer SYS-E100-14AM-H

Compact fanless embedded system with 8-core CPU



Key Applications

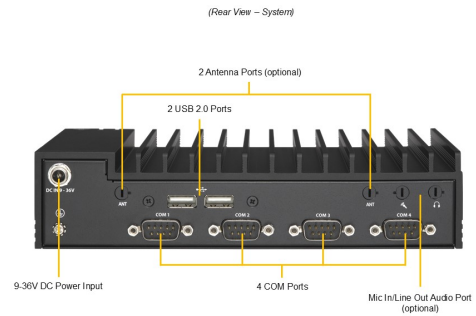
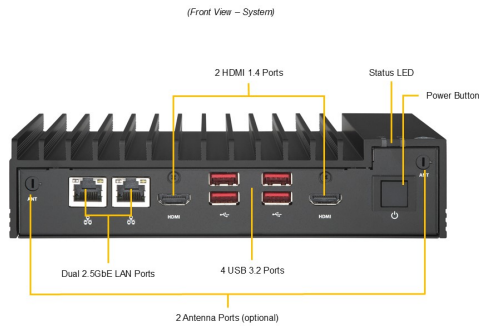
Industrial / Automation, Healthcare, Digital Signage Kiosk, Interactive info system, Retail,

Key Features

- Intel® Atom® x7835RE (TDP 12W / 8C);
- DDR5-4800MT/s 1 DIMM max 16GB;
- M.2: 1x M-Key 2242 / 2280, 1x B-Key 2242 / 2280 / 3052 (NANO SIM slot), 1x E-Key 2230;
- 2x RJ45 2.5GbE (Intel i226-IT);
- Fanless supporting max 60°C with Fin Bottom Cover (Optional accessory);
- DC Jack lockable 9V~36V;
- 2x HDMI 1.4 ports, 4x USB3.2 ports and 2x USB2.0 ports, 4x COM ports (COM1/2 RS232/422/485 + COM3/4 RS232);



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	Intel® Atom® x7835RE Up to 8C/8T; Up to 6MB Cache
System Memory	Slot Count: 1 DIMM slots/1 Channels Max Memory (1DPC): Up to 16GB 4800MT/s non-ECC DDR5 SO-DIMM
Drive Bays Configuration	1 M.2 PCIe 3.0 x1 NVMe slot (M-key 2242/2280) 1 M.2 PCIe 3.0 x1 SATA slot (B-key 2242/2280/3052; USB 3.0)
Expansion Slots	1 M.2 slot (E-key 2230(default)) 1 M.2 PCIe 3.0 x1 SATA slot (M-key 2242/2280) 1 M.2 PCIe 3.0 x1 SATA slot (B-key 2242/2280/3052)
On-Board Devices	Chipset: System on Chip Network Connectivity: 2 RJ45 2.5GbE with Intel® I226-IT
Input / Output	LAN: 2 RJ45 2.5 GbE LAN ports (Intel® I226) USB: 2 USB 2.0 Type-A ports(rear) 4 USB 3.2 Gen2 Type-A ports(Front) Video: 2 HDMI 1.4 ports(Front) Serial: 4 COM ports(Rear)



System Cooling	Fans: N/A
Power Supply	1x 60W power supply
System BIOS	BIOS Type: AMI 256MB SPI Flash EEPROM
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: -20°C to 50°C (-4°F to 122°F) with 0.7 m/s airflow Non-operating Temperature: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)
Motherboard	Super A4SAN-H-WOHS
Chassis	CSE-E101-05