IoT SuperServer SYS-E100-14AM-E-TB2

Compact fanless embedded system with 4-core CPU

More details here

Key Applications

Industrial Automation, Healthcare, Retail, Digital Signage / PoS,

Key Features

- Intel® Atom® x7433RE (TDP 9W / 4C);
- DDR5-4800MT/s 1 DIMM max 16GB;
- 2x RJ45 2.5GbE (Intel i226-IT);
- Fanless supporting max 60°C with Fin Bottom Cover (Optional accessory);
- DC in 9~36V Terminal Block 2pin;
- 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);
- M.2:1x M-Key 2242 / 2280 ,1x B-Key 2242 / 2280 /3052 (NANO SIM slot),1x E-Key 2230;



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® x7433RE Up to 4C/4T; 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)
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	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 port(s) (Front) Serial: 4 COM ports (Rear)

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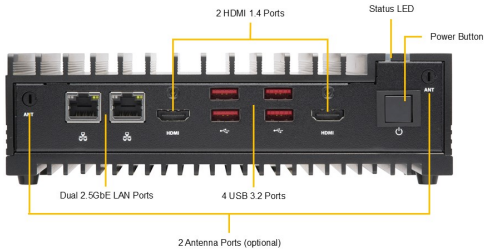
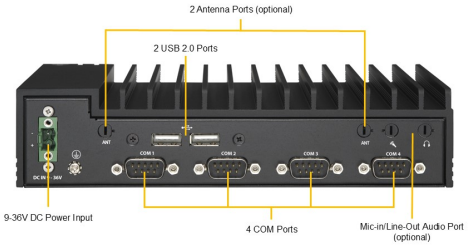
(Front View – System)



(Rear View – System)



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-E-WOHS**
Chassis	**CSE-E101-05**

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