IoT SuperServer SYS-E302-12D-8C

Embedded Mini-ITX Fanless Box with Intel Xeon D processor

More details here

Key Applications

IoT Gateway, Network Security Appliance, SD WAN, Embedded Networking Applications, Retail, Industrial Automantion, Artificial Intelligence, Machine Learning,



Key Features

- Wall Mount Bracket;
- Intel® Ice Lake Xeon D-1736NT 15MB 8 Cores 2.7GHz QAT 20G, 67W;
- Up to DDR4 2933MHz 256GB RDIMM or 128GB RDIMM;
- 6 Networking Interface (2 x25G SFP28, 4 x 1GbE)
  1 Dedicated IPMI LAN;
- 1x 2.5" SATA drives and 1x M.2 M-Key 2280;
- Fanless Cooling
  Operating Temperature: 0°C to 35°C (32°F to 95°F);
- 180W 12V Lockable DC Power Adapter;

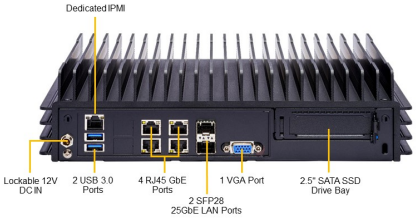
Form Factor	Fanless Embedded Rackmount Enclosure: 295 x 76 x 206mm (11.6" x 3" x 8.1") Package: 418 x 305 x 194mm (16.45" x 12" x 7.6")
Processor	Single FCBGA-2227 Intel® Xeon® Processor D-1736NT Up to 8C/16T; Up to 15MB Cache
System Memory	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 256GB 2933MT/s ECC DDR4 RDIMM
Drive Bays Configuration	Default: Total 1 bay(s) • 1 internal fixed 2.5" NVMe/SATA drive bay(s) M.2: 1 M.2 PCIe 3.0 x4 NVMe/SATA slot(s) (M-key 2280)
Expansion Slots	1 M.2 PCIe 3.0 x1 NVMe slot(s) (E-key 2230) 1 M.2 PCIe 3.0 x2 NVMe/SATA slot(s) (B-key 2280/3042/3052)
On-Board Devices	Chipset: Intel® SoC Network Connectivity: 4 RJ45 1GBASE-T 2 SFP28 25GbE
Input / Output	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s) 2 SFP28 25 GbE LAN port(s) 4 RJ45 1 GbE LAN port(s) USB: 2 USB 3.0 port(s) Video: 1 VGA port(s)

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(Front View – System)



(Rear View – System)



System Cooling	Fans: N/A
Power Supply	1x 180W power supply
System BIOS	BIOS Type: AMI 32MB UEFI BIOS Features: ACPI 6.3 UEFI 2.7 SMBIOS 3.3 PCI FW 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: 12 lbs (5.44 kg) Net Weight: 8 lbs (3.63 kg) Available Color: Black
Operating Environment	Operating Temperature: 0°C ~ 35°C (32°F ~ 95°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 X12SDV-8C-SP6F-01
Chassis	**CSE-E302iL**

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