IoT SuperServer SYS-E300-12D-4CN6P

Mini-1U Embedded System with Intel Ice Lake-D CPU with 4 cores Super Server

More details here

Key Applications

Universal Customer Premise Equipment (uCPE), Network Security Appliance, Software Defined WAN (SD-WAN), NFV Edge Computing Server, IoT Edge Computing / Gateway,

Key Features

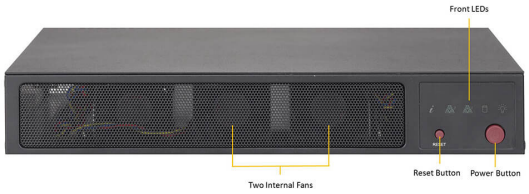


- Intel® Xeon® D Processor D-1718T;
- 4x DDR4-2933MHz R-DIMM max 256GB or U-DIMM 128GB;
- Support M.2 M/B/E-Key with Nano SIM Card Slot
  Support PCIe 4.0 x16 Slot (Optional);
- 4x LAN 1GbE + 2x LAN SFP28 25GbE + IPMI;
- Support 1x 2.5" drive bays (Optional);

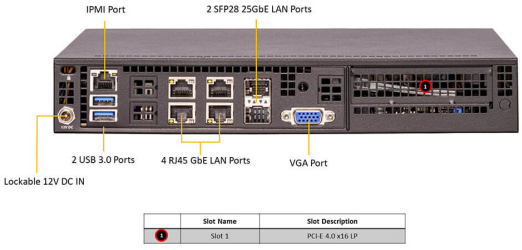
Form Factor	Fan-based Embedded Rackmount Enclosure: 264.8 x 43 x 225.8mm (10.43" x 1.69" x 8.89") Package: 381 x 276 x 142mm (15" x 10.87" x 5.59")
Processor	Single FCBGA-2227 Intel® Xeon® Processor D-1718T Up to 4C/8T; Up to 10MB Cache
System Memory	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 256GB 2933MT/s ECC DDR4 RDIMM/UDIMM
Drive Bays Configuration	Default: Total 1 bay(s) • 1 internal fixed 2.5" SATA* drive bay(s) (*SATA support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 1 M.2 PCIe 3.0 x2 SATA slot(s) (B-key 2280/3042/3052; USB 3.0) 1 M.2 PCIe 3.0 x4 NVMe/SATA slot(s) (M-key 2280)
Expansion Slots	PCI-Express (PCIe) Configuration: Default* • 1 PCIe 4.0 x16 LP slot(s) (*Requires additional parts, please see the optional parts list for details. For more details on PCIe slot configuration options, please refer to the system callout images above.) M.2: 1 M.2 PCIe 3.0 x1 slot(s) (E-key 2230; USB 2.0)
On-Board Devices	Chipset: Intel® SoC Network Connectivity: 2 SFP28 25GbE 2 RJ45 1GbE with Intel® I210-IT 2 RJ45 1GbE with Intel® I350-AM2
Input / Output	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s) 2 SFP28 25 GbE LAN port(s) 2 RJ45 1 GbE LAN port(s) (Intel® I350-AM2) 2 RJ45 1 GbE LAN port(s) (Intel® I210-IT) USB: 2 USB 3.0 Type-A port(s) (Rear) Video: 1 VGA port(s) (Rear)

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(Front View – System)



(Rear View – System)



	Slot Name	Slot Description
	Slot 1	PCI-E 4.0 x16 LP

System Cooling	Fans: 3x 4-PIN PWM 40x40x28mm Fan(s)
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: 7.5 lbs (3.4 kg) Net Weight: 3.7 lbs (1.6 kg) Available Color: Black
Operating Environment	Operating Temperature: 0°C ~ 40°C (32°F ~ 104°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-4C-SP6F**
Chassis	**CSE-E300**

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