IoT SuperServer SYS-110D-20C-FRAN8TP

Intel Xeon Processor, 20-Core, 800W redundant Platinum Level PWS, 1U edge platform

More details here

Key Applications

Intel® QuickAssist Technology, Networking Security Appliance,

Key Features

- Intel® Xeon® Processor D-2796NT, CPU TDP 120W;
- Up to 256GB Registered ECC RDIMM, DDR4-2933MHz; Up to 512GB LRDIMM LRDIMM, DDR4-2933MHz, in 4 DIMM slots;
- 2x Internal 2.5" drive bays(2x PCIe 4.0 NVMe x8 SlimSAS and 1x OCuLink options);
- 4x GbE, 2x 25G SFP28 and 2x 10G Base-T;
- 1x M.2 M-Key 2242/2280 (SATA/PCIe 3.0 x4);
- 5x 40x56mm Hot-swap Counter-rotation PWM Fans;
- Redundant 800 W, 100-240 Vac;

Form Factor	1U Rackmount Enclosure: 437 x 43 x 399mm (17.2" x 1.7" x 15.7") Package: 680 x 200 x 605mm (26.7" x 7.9" x 23.8")
Processor	Single FCBGA-2579 Intel® Xeon® Processor D-2700 Series
GPU	Max GPU Count: Up to 1 double-width or 1 single-width GPU Supported GPU: NVIDIA PCIe: L4 CPU-GPU Interconnect: PCIe 4.0 x16 CPU-to-GPU Interconnect
System Memory	Slot Count: 4 DIMM slots Max Memory (1DPC): Up to 256GB/512GB 2933MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 2 bays • 2 internal fixed 2.5" SATA drive bays M.2: 1 M.2 NVMe/SATA slot (M-key 2242/2280)
Expansion Slots	Default • 1 PCIe 4.0 x16 FHFL slot
On-Board Devices	4 RJ45 1GBASE-T with Intel® I350 2 SFP28 25GbE with Intel® SoC 2 RJ45 10GBASE-T with Intel® X550
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port 4 RJ45 1 GbE LAN ports (Intel® I350) 2 RJ45 10 GbE LAN ports (Intel® X550) 2 SFP28 25 GbE LAN ports (Intel® SOC) USB: 2 ports Video: 1 VGA port

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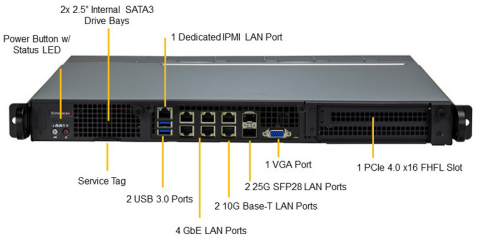
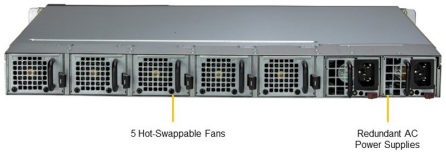
(Front View – System)



(Rear View – System)



System Cooling	Fans: Up to 5 Counter-rotating, Hot-swappable 40x40x56mm Fan(s) Air Shroud: 1 Air Shroud
Power Supply	2x 800W Redundant (1 + 1) Platinum Level (94%) power supplies
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!
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory FAN: Fans with tachometer monitoring Pulse Width Modulated (PWM) fan connectors Status monitor for speed control Temperature: CPU thermal trip support, PEPI Monitoring for CPU and chassis environment
Dimensions and Weight	Weight: Gross Weight: 29 lbs (13.15 kg) Net Weight: 18 lbs (8.16 kg) Available Color: Silver
Operating Environment	Operating Temperature: 0°C to 40°C (32°F to 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-20C-SPT8F**
Chassis	**CSE-515M-R000NP2**

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