

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 Application, Firewall, uCPE, Telecom Application,

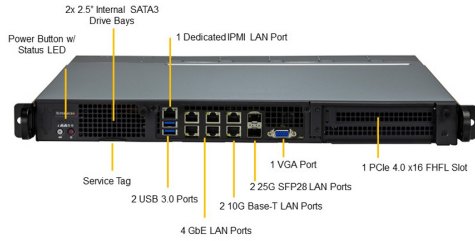
Key Features

- 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;

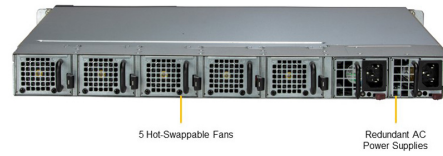


Form Factor	<p>1U Rackmount</p> <p>Enclosure: 437 x 43 x 399mm (17.2" x 1.7" x 15.7")</p> <p>Package: 680 x 200 x 605mm (26.7" x 7.9" x 23.8")</p>
Processor	<p>Single FCBGA-2579</p> <p>Intel® Xeon® Processor D-2700 Series</p>
GPU	<p>Max GPU Count: Up to 1 double-width or 1 single-width GPU(s)</p> <p>Supported GPU: NVIDIA PCIe: L4</p> <p>CPU-GPU Interconnect: PCIe 4.0 x16 CPU-to-GPU Interconnect</p>
System Memory	<p>Slot Count: 4 DIMM slots</p> <p>Max Memory (1DPC): Up to 256GB/512GB 2933MT/s ECC DDR4 RDIMM/LRDIMM</p>
Drive Bays	<p>Drive Bays Configuration: Default: Total 2 bay(s)</p> <ul style="list-style-type: none"> • 2 internal fixed 2.5" SATA drive bay(s) <p>M.2: 1 M.2 NVMe/SATA slot(s) (M-key 2242/2280)</p>
Expansion Slots	<p>Default</p> <ul style="list-style-type: none"> • 1 PCIe 4.0 x16 FHFL slot(s)
On-Board Devices	<p>Chipset: Intel® SoC</p> <p>Network Connectivity: 4 RJ45 1GBASE-T with Intel® I350</p> <p>2 SFP28 25GbE with Intel® SoC</p> <p>2 RJ45 10GBASE-T with Intel® X550</p> <p>IPMI: Support for Intelligent Platform Management Interface v.2.0</p> <p>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</p>
Input / Output	<p>LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s)</p> <p>4 RJ45 1 GbE LAN port(s) (Intel® I350)</p> <p>2 RJ45 10 GbE LAN port(s) (Intel® X550)</p> <p>2 SFP28 25 GbE LAN port(s) (Intel® SOC)</p> <p>USB: 2 port(s)</p> <p>Video: 1 VGA port(s)</p>

(Front View – System)



(Rear View – System)



System Cooling	Fans: 5 Counter-rotating, Hot-swappable 40x40x56mm Fan(s)
Power Supply	800W Redundant Platinum Level power supplies
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
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 ~ 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	<u>Super X12SDV-20C-SPT8F</u>
Chassis	CSE-515M-R000NP2