FatTwin SuperServer SYS-F610P2-RTN

4U 8-node FatTwin with 6 2.5" NVMe/SAS/SATA bays per node

More details here

Key Applications

Virtualization, Hyperscale / Hyperconverged, HPC and Big Data, Data Center
Enterprise Applications, Scale-Out Storage, Telco Data Center,

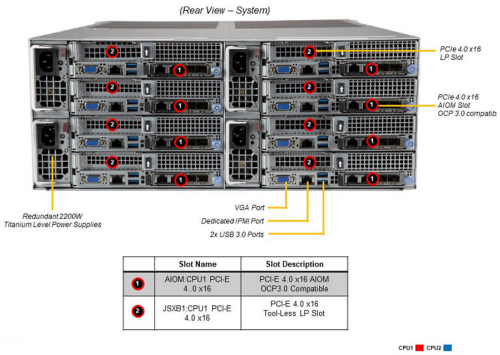
Key Features

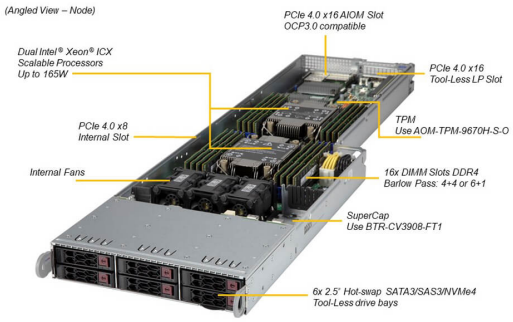
- Eight hot-pluggable systems (nodes) in a 4U form factor. Each node supports the following:;
- Socket P+(LGA 4189) Supports 3rd Generation Intel® Scalable Processors (Dual Socket);
- Two M.2 Internal Drives;
- NVMe/SATA/SAS options;
- AIOM and M.2 support; 1 AIOM card support (PCIe 4.0);
- Front access node for better serviceability; 6x 2.5” hot-swap HDDs per node Up to 6x SAS/SATA/NVMe Hot Swap 2.5” Drives;



Form Factor	4U Rackmount Enclosure: 448 x 177 x 737mm (17.63" x 6.96" x 29") Package: (28.3" x 15" x 42.4")
Processor	Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 36C/72T; Up to 54MB Cache per CPU
System Memory	Slot Count: 16 DIMM slots Max Memory (2DPC): Up to 2TB non-ECC DDR4 Supports Intel® Optane™ persistent memory 200 series
Drive Bays Configuration	Default: Total 6 bays • 6 front hot-swap 2.5" NVMe/SAS/SATA drive bays
Expansion Slots	Default • 1 PCIe 4.0 x16 LP slot • 1 PCIe 4.0 x16 AIOM slot (OCP 3.0 compatible)
On-Board Devices	1 RJ45 1GbE
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports (rear) Video: 1 VGA port

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System Cooling	Fans: Up to 3x 4cm Fan(s) Air Shroud: 1 Air Shroud
Power Supply	1x 2200W Redundant Titanium Level (96%) power supply
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	SuperCloud Composer® (SCC); 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: 4+1 Phase-switching voltage regulator Monitors for CPU Cores, Chipset Voltages, Memory. Fan: Fans with tachometer monitoring Pulse Width Modulated (PWM) fan connectors Status monitor for speed control Temperature: Monitoring for CPU and chassis environment
Dimensions and Weight	Weight: Gross Weight: 200 lbs (90.71 kg) Net Weight: 150 lbs (68.04 kg) Available Color: Silver
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 5% to 95% (8) Non-operating Relative Humidity: 90% to 5% (95)
Motherboard	**Super X12DPFR-AN6**
Chassis	**CSE-F418BC3-R2K20BP**

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