

FatTwin SuperServer SYS-F610P2-RTN

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



More details here

Key Applications

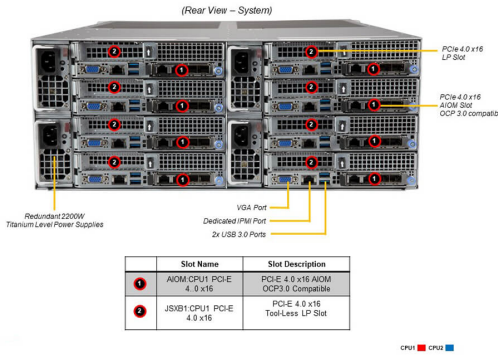
Virtualization, Hyperscale / Hyperconverged, HPC and Big Data, Data Center Enterprise Applications, Scale-Out Storage, Telco Data Center,

Key Features

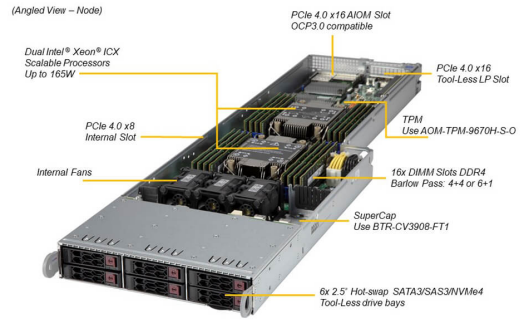
- Eight **hot-pluggable** systems (nodes) in a 4U form factor. Each node supports the following;
- Socket P+(LGA 4189) Supports 3rd Generation Intel® Scalable Processors (Dual Socket);
- Two M.2 Internal Drives;
- NVMe/SATA/SAS options;
- AIOM and M.2 support; 1 AIOM card support (PCIe 4.0);
- Front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



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| 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 |



| Slot Name | Slot Description |
|------------------------------|--------------------------------------|
| 1 AICM-CPU1 PCIe 4.0 x16 | PCI-E 4.0 x16 AICM OCP3.0 Compatible |
| 2 JSX01-CPU1 PCIe 4.0 x16 | PCI-E 4.0 x16 Tool-Less LP Slot |



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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®; 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 |