# FatTwin SuperServer SYS-F610P2-RTN

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

More details here

## Key Applications

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

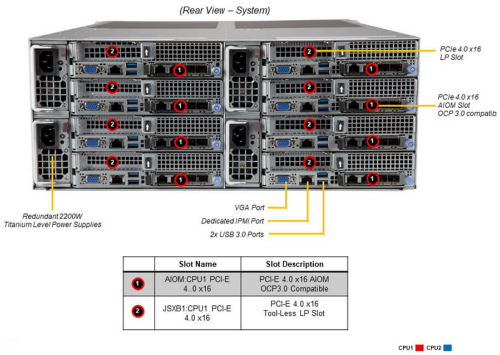
## Key Features

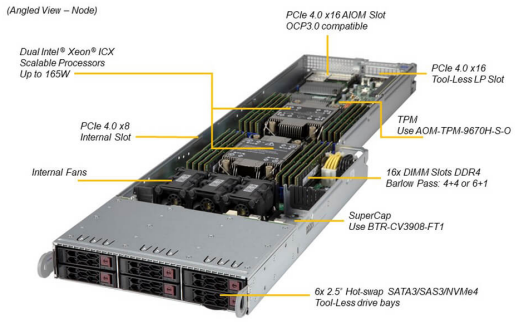
- Socket P+(LGA 4189) Supports 3rd Generation Intel® Scalable Processors (Dual Socket);
- Two M.2 Internal Drives;
- NVMe/SATA/SAS options;
- AIOM and M.2 support; 1 AIOM card support (PCIe 4.0);
- Front access node for better serviceability; 6x 2.5” hot-swap HDDs per node Up to 6x SAS/SATA/NVMe Hot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



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|---|---|
| Form Factor | 4U Rackmount<br>Enclosure: 448 x 177 x 737mm (17.63" x 6.96" x 29")<br>Package: (28.3" x 15" x 42.4") |
| Processor | Dual Socket P+ (LGA-4189)<br>3rd Gen Intel® Xeon® Scalable processors<br>Up to 36C/72T; Up to 54MB Cache per CPU |
| System Memory | Slot Count: 16 DIMM slots<br>Max Memory (2DPC): Up to 2TB non-ECC DDR4<br>Supports Intel® Optane™ persistent memory 200 series |
| Drive Bays Configuration | Default: Total 6 bay(s)<br>• 6 front hot-swap 2.5" NVMe/SAS/SATA drive bay(s) |
| Expansion Slots | Default<br>• 1 PCIe 4.0 x16 LP slot(s)<br>• 1 PCIe 4.0 x16 AIOM slot(s) (OCP 3.0 compatible) |
| On-Board Devices | Chipset: Intel® C621A<br>Network Connectivity: 1 RJ45 1GbE |
| Input / Output | LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s)<br>USB: 2 USB 3.0 port(s) (rear)<br>Video: 1 VGA port(s) |

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| | |
|---|---|
| System Cooling | Fans: 3x 4cm Fan(s) |
| 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<br>Monitors for CPU Cores, Chipset Voltages, Memory.<br>FAN: Fans with tachometer monitoring<br>Status monitor for speed control<br>Pulse Width Modulated (PWM) fan connectors<br>Temperature: Monitoring for CPU and chassis environment |
| Dimensions and Weight | Weight: Gross Weight: 200 lbs (90.71 kg)<br>Net Weight: 150 lbs (68.04 kg)<br>Available Color: Black |
| Operating Environment | RoHS Compliant<br>Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 5% to 95% (8)<br>Non-operating Relative Humidity: 90% to 5% (95) |
| Motherboard | **Super X12DPFR-AN6** |
| Chassis | **CSE-F418BC3-R2K20BP** |

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