

# FatTwin SuperServer SYS-F610P2-RTN


[More details here](#)

## Key Applications

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

## Key Features

- Socket P+(LGA 4189) Supports 3rd Generation Intel® Scalable Processors (Dual Socket);
- Two M.2 Internal Drives; 16 DIMMs Supports up to 4TB Intel® Optane Persistent Memory 200 Series; up to 2TB DDR 4-3200 ;
- NVMe/SATA/SAS options; Network Connectivity Via AIOM (OCP 3.0 Compliant) ;
- AIOM and M.2 support; 1 AIOM card support (PCIe 4.0);
- Up to 6x SAS/SATA/NVMe Hot Swap 2.5" Drives; Front access node for better serviceability; 6x 2.5" hot-swap HDDs per node;



### 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

3rd Gen Intel® Xeon® Scalable processors  
Dual Socket LGA-4189 (Socket P+) supported  
TDP up to 185W; 3 UPI

### System Memory

16 DIMM slots  
Up to 4TB Intel® Optane™ Persistent Memory, DDR4-3200MHz  
Up to 2TB RDIMM/LRDIMM, DDR4-3200MHz

### Drive Bays

6x 2.5" hot-swap NVMe/SATA/SAS drive bays; 6x 2.5" NVMe hybrid;  
6x 2.5" 7mm drive bays

### Expansion Slots

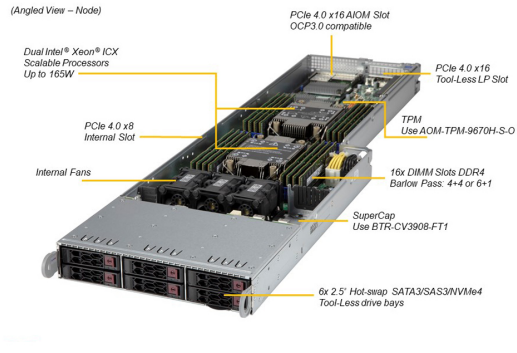
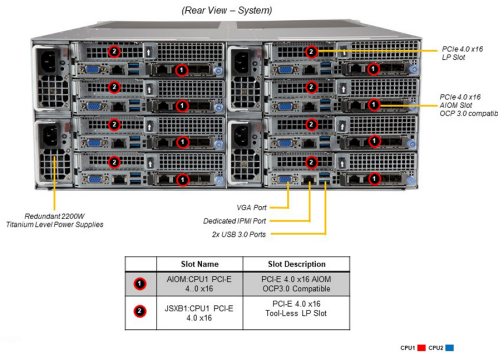
1 PCIe 4.0 x8 LP slot(s)

### On-Board Devices

Chipset: Intel® C621A  
Network Connectivity: 1x 1GbE RJ45 (BMC)  
IPMI: Support for Intelligent Platform Management Interface v.2.0  
IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

### Input / Output

SATA: 14 SATA (6Gbps) port(s)  
NVMe: 6 NVMe U.2 options  
LAN: 1 RJ45 Dedicated IPMI LAN port  
USB: 2 USB 3.0 port(s) (2 rear)  
Video: 1 VGA port(s)



System Cooling	3x 4cm heavy duty fan(s)
Power Supply	1U 2200W Redundant, Titanium, 76(W) X 40(H) X 336(L) mm Dimension (W x H x L): 76 x 40 x 336 mm Output Type: Gold Finger Connector
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	SuperDoctor® 5; Watch Dog; SUM; IPMI 2.0; KVM with dedicated LAN; SPM; Intel® Node Manager; SSM
PC Health Monitoring	CPU: 4+1 Phase-switching voltage regulator Monitors for CPU Cores, Chipset Voltages, Memory. FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment
Dimensions and Weight	Height: 6.96" (177 mm) Width: 17.63" (448 mm) Depth: 29" (737 mm) Gross Weight: 200 lbs (90.71 kg) Net Weight: 150 lbs (68.04 kg) Packaging: 15" x 28.3" x 42.4" Available Color: Black
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 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	<a href="#">Super X12DPFR-AN6</a>
Chassis	CSE-F418BC3-R2K20BP