

FatTwin SuperServer SYS-F610P2-RTN



More details here

Key Applications

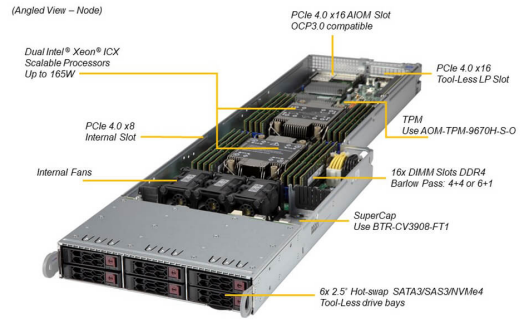
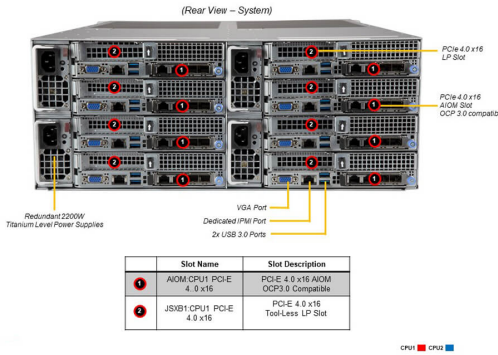
Hyperscale / Hyperconverged, HPC and Big Data, Data Center Enterprise Applications, Scale-Out Storage, Virtualization Server, Telco Data Center,

Key Features

- Socket P+(LGA 4189) Supports 3rd Generation Intel® Scalable Processors (Dual Socket);
- Two M.2 Internal Drives; 16 DIMMs Supports up to 4TB Intel® Optane Persistent Memory 200 Series; up to 2TB DDR 4-3200 ;
- Network Connectivity Via AIOM (OCP 3.0 Compliant) ; NVMe/SATA/SAS options;
- 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	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	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	Fans: 3x 4cm Fan(s)
Power Supply	8800W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
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	Super X12DPFR-AN6
Chassis	CSE-F418BC3-R2K20BP