

FatTwin SuperServer SYS-F620P3-RTBN

4U 4-node FatTwin with 8 3.5" SAS/SATA (optional 6 NVMe) per node



Key Applications

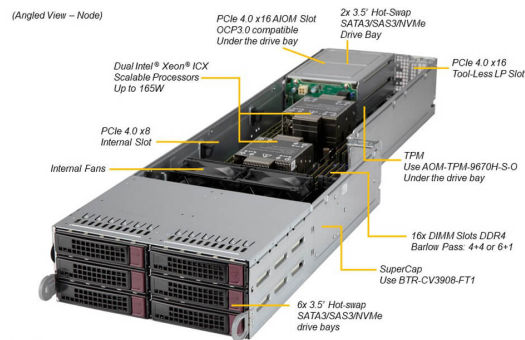
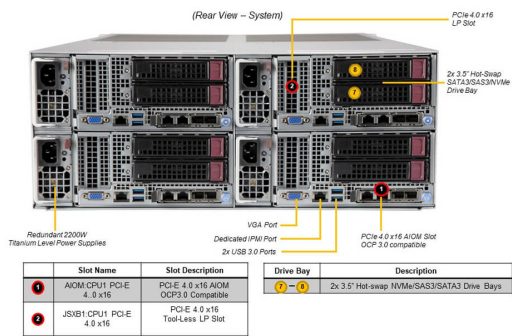
Hyperscale / Hyperconverged, HPC and Big Data, Data Center Enterprise Applications, High Capacity and Ultra Dense Storage, Virtualization Server (VSAN), Telco Data Center,

Key Features

- Four **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; 8x 3.5" hot-swap HDDs per node
Up to 8x SAS/SATA Hot Swap 3.5" Drives, or up to 6x NVMe Hot Swap 2.5" Drives + 2x SAS/SATA Hot Swap 3.5" 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
GPU	Up to 1 double-width GPU
System Memory	Slot Count: 16 DIMM slots Max Memory (2DPC): Up to 2TB non-ECC Supports Intel® Optane™ persistent memory 200 series
Drive Bays Configuration	Default: Total 8 bays • 6 front hot-swap 3.5" NVMe/SAS/SATA drive bays • 2 rear hot-swap 3.5" 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



System Cooling	Fans: Up to 2x 8cm 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
Motherboard	Super X12DPFR-AN6
Chassis	CSE-F424AS3-R2K20BP