



XSR - D65S

Enterprise Dual-Socket 2U Rack Server

High-Availability Compute Platform with Large-Capacity SAN-Ready Storage

Compute Performance

- Dual-socket server architecture
- Up to 32 cores per processor (64 cores total)
- Optimized for multi-threaded enterprise and virtualization workloads
- Large CPU cache for stable and predictable performance

System Memory

- 16 DIMM slots (8+8, 1DPC architecture)
- Up to 1TB DDR5 memory
- High-speed DDR5 6400MHz for enhanced bandwidth and responsiveness
- Ideal for databases, virtualization, and memory-intensive workloads

Storage Architecture

- Operating System Storage
 - 2 × 960GB SSD dedicated for operating system and system applications
- Data Storage
 - Minimum 22TB usable capacity
 - Configured with 9 × 3.84TB enterprise drives
 - RAID 6 configuration for enhanced data protection and fault tolerance
 - Designed for large datasets, transactional systems, and enterprise file services

Expansion & I/O

- 6 PCIe expansion slots for system scalability
- Supports storage controllers, HBA, and additional network adapters
- 2 × M.2 PCIe 5.0 x4 slots (M-Key, 2280 / 22110) for high-speed boot or cache devices

Network & SAN Connectivity

- Dual 10GbE RJ45 LAN ports for standard data-center networking
- 2 × Dual-Port 10/25Gb SFP+ NICs with SFP+ SR transceivers
- 2 × Dual-Port 32Gb Fibre Channel HBAs with optical transceivers
- Fully integrated for enterprise SAN and high-throughput environments

Management & Security

- Dedicated 1GbE RJ45 IPMI / BMC management port
- Out-of-band remote monitoring and management
- Trusted Platform Module (TPM) 2.0 for hardware-based security

Form Factor & Chassis

- 2U rackmount chassis
- Compatible with standard 19-inch data-center racks
- Service-friendly design for easy maintenance

Power & Availability

- Dual 800W redundant power supplies
- Hot-swappable PSU design
- Engineered for continuous 24x7 mission-critical operation

Ideal Use Cases

- Enterprise virtualization platforms
- Database and ERP systems
- SAN-based storage environments
- Data repositories and file services
- Command center and core operational systems
- Government and corporate data centers



KEY BENEFITS

- Large usable storage capacity with RAID 6 protection
- Enterprise SAN connectivity with Fibre Channel
- Balanced compute, memory, and storage performance
- High availability with redundant power and remote management

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