



XSR - D65

Enterprise Dual-Socket 2U Rack Server
High Performance & Scalable Infrastructure
for Mission-Critical Workloads

Processor & Compute Performance

- Dual-Socket platform supporting Intel® Xeon® processors
- Up to 32 cores per CPU (64 cores total)
- Optimized for virtualization, enterprise applications, and compute-intensive workloads
- Large CPU cache architecture for improved performance efficiency

System Memory

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

Expansion & I/O Capability

- 6 PCIe expansion slots for add-on cards
- Support for network adapters, HBA, or future expansion needs
- 2× M.2 PCIe 5.0 x4 slots (M-key, 2280/22110) for high-speed boot or cache drives

Storage Configuration

- Default configuration: 2× 960GB SSD
- Flexible storage architecture supporting high-performance system disks
- Optimized for reliability and enterprise workloads

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
- Designed for seamless integration with enterprise SAN infrastructure

Management & Security

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

Form Factor & Reliability

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

Power & Reliability

- Dual redundant 800W power supplies
- Hot-swappable design for high availability
- Optimized for continuous 24/7 operation

Ideal Use Cases

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



KEY BENEFITS

- BALANCED COMPUTE AND MEMORY PERFORMANCE
- ENTERPRISE SAN CONNECTIVITY WITH FIBRE CHANNEL
- FLEXIBLE NETWORKING AND EXPANSION CAPABILITY
- HIGH AVAILABILITY DESIGN WITH REDUNDANT POWER AND REMOTE MANAGEMENT

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Features	Technical Specification
Processor	<ul style="list-style-type: none">• Processor Type: Intel® Xeon® Scalable Processor• Processor Model: Intel® Xeon® 6530P• Socket Configuration: Dual Socket (LGA-4710)• Cores per Processor: 32 Cores• Total Cores: 64 Cores• Base Frequency: 2.30 GHz• CPU Cache: 144 MB
Memory	<ul style="list-style-type: none">• Memory Type: DDR5• Memory Speed: 6400 MHz• DIMM Slots: 16 Slots (8 + 8, 1DPC)• Maximum Memory Capacity: 1024 GB• Installed Memory: 16 × 64 GB DDR5
Expansion Slots	<ul style="list-style-type: none">• PCIe Slots: 6 × PCIe Expansion Slots• PCIe Generation: PCIe Gen 5 (subject to platform support)
Internal Storage	<ul style="list-style-type: none">• Operating System Storage<ul style="list-style-type: none">◦ 2 × 960 GB SSD• M.2 Support<ul style="list-style-type: none">◦ 2 × M.2 PCIe 5.0 x4• M-Key, 2280 / 22110 form factor
Networking	<ul style="list-style-type: none">• Onboard LAN :<ul style="list-style-type: none">◦ 2 × 10GbE RJ45 LAN ports• High-Speed Network Adapters :<ul style="list-style-type: none">◦ 2 × Dual-Port 10/25Gb SFP+ NICs◦ SFP+ SR transceivers included• SAN Connectivity:<ul style="list-style-type: none">◦ 2 × Dual-Port 32Gb Fibre Channel HBAs• Optical transceivers included
Management	<ul style="list-style-type: none">• Dedicated Management Port:• 1 × RJ45 1GbE IPMI / BMC LAN port
Security	<ul style="list-style-type: none">• Trusted Platform Module (TPM): TPM 2.0
Chassis	<ul style="list-style-type: none">• Form Factor: 2U Rackmount• Rack Compatibility: Standard 19-inch data center racks
Power Supply	<ul style="list-style-type: none">• Power Supply Units:<ul style="list-style-type: none">◦ 2 × 800W Redundant Power Supplies• Power Supply Type: Hot-swappable• Power Redundancy: N+1
Reliability & Availability	<ul style="list-style-type: none">• Designed for continuous 24×7 operation• Redundant power architecture for high availability
Operating Environment	<ul style="list-style-type: none">• Intended Usage: Enterprise data center environment• Deployment Type: Rack-mounted server infrastructure
Typical Use Cases	<ul style="list-style-type: none">• Enterprise virtualization• Database and ERP systems• SAN-based storage infrastructure• Mission-critical enterprise workloads