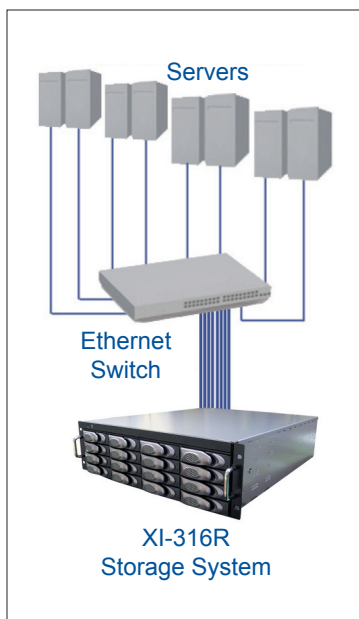


## XI2000 Series IP-SAN iSCSI Storage System

- *Quick Installation with Flexible Configuration*
- *Investment Protection with Scalable Capacity*
- *“Ease of Use” Lowers IT Overhead*
- *Accelerates Applications*



	MODEL 4GbE	MODEL 8GbE	MODEL 10GbE
Bandwidth*	450MB/Sec	890MB/Sec	1160 MB/Sec
IOPs	> 80,000 IOPs/sec		

### Applications

	Disk to Disk backup
	Content delivery — Web servers, Video streaming
	Imaging
	Video Surveillance
	Data archiving
	Content management
	E-mail servers
	Data Base Applications
	Online Transactional Processing (OLTP)
	Any High-Speed SAN Storage

### Key Features

#### Adaptive and Persistent Cache Management

- Write Back, Write Through, Write Coalescing, and Read Ahead

#### Volume Virtualization

- Online Capacity Expansion
- RAID Level Migration
- Free Space Reclamation
- Auto Rebuild
- Micro Rebuilds

#### iSCSI Performance

- Jumbo Frames Support
- Full TCP/IP Hardware Off-load Engine (TOE)

#### Standards Based Platform

- iSNS Discovery Support
- Microsoft VDS Support
- CHAP Authentication Security Support
- Enclosure Management Services Ready

### High Performance. Low Cost. Ease of Maintenance

The XI2000 series solution is an enterprise-level IP-SAN iSCSI storage solution that provides cost-effective, high-performance, feature rich, energy efficient (“Green”) iSCSI RAID storage solutions for IP Storage Area Networks (IP-SANs).

XI-316R is the industry’s most advanced iSCSI storage system at entry level pricing. The core of the XI-316R storage system is the GigaStor technology, comprising a next generation “Storage System on a Chip” designed to accelerate iSCSI RAID, with advanced storage virtualization firmware, and embedded IP-based management graphical user interface (GUI). XI-316R is easy to install, configure, and maintain.

XI-316R is an integrated storage system with a choice of drives. This solution also includes a simple management GUI with an easy “4-click” installation that greatly reduces configuration time so IT managers can focus their valuable resources on supporting their users instead of maintaining equipments. XI-316R storage system provides up to 10Gbps performance — significantly exceeding the speed of any Fibre Channel product. XI2000 high level of integration provides a complete scalable solution at an attractive total cost of ownership (TCO).

## iSCSI Network Interface

	XI-316R-ISN-04A	XI-316R-ISN-08A	XI-316R-ISN-10A
• Host Connectivity	4x 1GbE ports, RJ45 connectors included	8x 1GbE ports, RJ45 connectors included	1x 10GbE port, optional standard connector for XFP Transceiver
• Connections	1,024		
• CHAP Authentications	Yes		
• Access Control of Management	Yes		
• iSCSI/TCP/IP Full HW Offload	Yes		
• Jumbo Frames Support	Yes		

## Volume and RAID Support

	XI-316R-ISN-04A	XI-316R-ISN-08A	XI-316R-ISN-10A
• RAID Controller	GigaStorATX 1GbE	GigaStorATX 1GbE	GigaStorATX 10GbE
• RAID Support	RAID Levels 0, 1, 1+0, 5 and JBOD (Striped sets, mirrored sets, parity sets, striped mirrored sets, and JBOD)		
• Volumes / Target Nodes	1,024 Virtual Volumes (256 available per initiator) / 1,024		
• VLANs Supported	Up to Eight VLANs Supported (1-to-1 mapping between IP subnet and VLAN. Multiple VLANs per physical port with VLAN tag. — 1GbE Only: All physical ports in LAG belong to the same VLAN.)		
• Online Capacity Expansion / Hot Swappable Drives	Yes / Yes		
• Instant Volume Access	Yes		
• Free Space Defragmentation	Yes		
• Auto-Detection Failed Drive / Auto-Rebuild / Global Spare	Yes / Yes / Yes		
• RAID Level Migration	Yes		
• Drive Roaming in Power Off	Yes		
• Micro Rebuilds	Yes		

## Storage Management

• Embedded IP-Based Management GUI	Create, manage, expand, and monitor storage pool, volumes and RAID. Event manager to view and persist events.
• Firmware Field Upgradeable / Remote Upgrade	Yes / Yes

## OS and HBA Support

• Operating System Supported	Microsoft® Windows® 2000 Advanced Server SP4 and Server SP4; Windows 2003 (x64) Enterprise Edition R2 and Standard Edition R2; Windows 2003 (x86) Enterprise Edition R2, SP1 and Standard Edition R2, SP1; Red Hat, Red Hat Advanced Server, SuSE Professional and Linux; Mac® OS 10.3 and 10.4; emboot winboot/1; VMware 3.5.x
• iSCSI Ethernet Host Bus Adapters Supported	QLogic® QLA4010C iSCSI PCI-X; Adaptec® 7211C 1 Gb iSCSI PCI-X; ATTO iSCSI Mac Initiator - Xtend SAN; Intel® PRO/100T IP Storage; Alacritech® iSCSI Accelerator; 3COM 00-0337-000 Rev. B; Neterion 10GbE (10GbE Only)
• Switches	Dell Power Connect 3424 24 Port 1GbE; Raptor ER 1010 24 Port 1GbE/10GbE; Fujitsu XG0801A 10GbE Optical; D-Link DXS 3250 48 Port 1GbE 2 Port 10GbE Uplink; Extreme Summit 400-48T

## Power

• Supply Type	Redundant 500 watt
• Input Voltage / Input Frequency	100-240 VAC (auto-switching) / 50-60 Hz
• Input Current	8A maximum at 100 VAC and 4A maximum at 240 VAC (maximum amps vs voltage varies linearly throughout this voltage range)
• Power Factor Correction	95%@110V, Full Load

## Environmental

• Operating / Storage Temperature — English (Metric)	32° to 95° F (0° to 35° C) / -4° to 158° F (-20° to 70° C)
• Operating / Storage Humidity	20 to 90% non-condensing / 10 to 95% non-condensing

## Physical

• Form Factor	3U industry-standard 19" rack
• Height x Width x Depth x Weight — English (Metric)	5.2" x 17" x 21.5" x 37 lbs full configuration (13.2 cm x 44 cm x 54.8 cm x 16.8 kg)

## Standards

• Compliance / Certification	RoHS / UL, CE, FCC
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\*Performance depends on configuration of different devices and are shown here for a reference

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