



# Magnitude<sup>®</sup> 750



An entry-level, high-capacity iSCSI virtual storage system, featuring best-in-class availability and usability.

Magnitude 750 is an affordable storage solution that delivers up to 12 terabytes of storage capacity sharable by up to 24 application servers—all in a compact, 3U high, rack-mountable chassis.

It can be deployed to support a variety of business applications, including email, disk-to-disk back-up, archiving, and file and print.

Magnitude 750 is built on Xiotech's unique virtualized storage architecture and can be installed and maintained by novice administrators.

It can be configured with single or dual controllers to meet your organization's availability and budget requirements.

By combining the proven robustness, reliability, and ease of use of Xiotech's Magnitude 3D<sup>®</sup> and DataScale<sup>™</sup> designs with Serial ATA (SATA) and IP storage area network (SAN) technologies, Magnitude 750 delivers a cost-effective alternative to direct-attached storage.

With Magnitude 750, the benefits of networked storage are now within your organization's reach.

## Capabilities Highlights

- Affordable, feature-rich iSCSI storage system
- Up to 12TB capacity in compact, 3U rack-mount chassis
- High-capacity, high-performance SATA II drives
- Enterprise class volume management, snapshot, and replication
- Administrator installable and maintainable
- Activity reporting and monitoring
- Wizard controls for easy setup and administration

## System Highlights

Description	Magnitude 750-2	Magnitude 750-1
System Controller Configuration	Dual	Single
Storage Capacity (max)	12.0TB	12.0TB
RAID Levels	5/3, 5/5, 10	5/3, 5/5, 10
Host Interfaces	4 x 1 Gigabit Ethernet	2 x 1 Gigabit Ethernet
Server Connections (max)	24	24
Drives per System (max)	16	16
Drive Type	SATA II: 750GB <sup>1</sup> , 500GB	SATA II: 750GB <sup>1</sup> , 500GB
Virtual Disks per System (max)	90	90
System Memory	2GB	1GB
Battery-Protected Memory	512MB dynamic cache, 160 hour	512MB dynamic cache, 160 hour
Management Interface	Ethernet	Ethernet
Operating Systems Supported	Microsoft Windows 2003 (Novell NetWare and SUSE Linux, Red Hat Linux – 1H07)	

<sup>1</sup> 750GB drives will be available 1H07

## System and Data Management

ICON Manager	Professional management in easy to use, intuitive format. Administration wizards to assist setup and control of common tasks.
DataScale Copy	Volume mirroring, snapshot, and replication. Snapshot count limited only by available system capacity.
Storage Monitor	System reporting and monitoring. Historical statistics reporting. Optional reporting and monitoring of servers.
Enterprise RAID	Multiple RAID types. RAID mapping and stripes configurable to utilize all drives. RAID level settable per LUN.
Advanced LUN Management	LUN expansion. Cache policy settable per LUN. VDisk priority ensures access by critical applications.

## Availability and Reliability

Dual-controller design, high-availability configuration
Controller port and cross-controller failover capabilities with no host software required
Nondisruptive drive and capacity addition
Redundant, hot-swappable controllers (dual-controller configuration), drives, and power supplies
Distinct iSCSI and management interfaces to allow separation of data and control for performance and security

## Physical Specifications (3U Rack Mount)

Depth (in / cm)	Width (in / cm)	Height (in / cm)	Weight (lb / kg)
28.0 / 711	16.7 / 42.4	5.25 / 33.3	78.0 / 35.5

## System Power Specifications

Voltage	Current	Power	Heat Dissipation
100 / 240 V	8 Amp Max @ 100 VAC	800 W (max)	2700 btu/hr

## Environmental Specifications

Operating Temperature	50-95°F / 10-35°C
Relative Humidity	20-80% (noncondensing)
Maximum Altitude	8,000 ft / 2,438 m

## Regulatory Approvals

Safety	UL 1950, IEC 60950
Electromagnetic Compatibility	FCC (Class A), EN55022 (Class A), EN55024 (Class A), CE Mark

## SmartCare Support

Basic Warranty	Hardware warranty for a period of one year Software updates for a period of one year 9 to 5 business day phone and email support Next business day advanced parts replacement
Optional Upgrades	24x7 phone support Self-assisted maintenance kits Hardware and software warranty extension options

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