



Magnitude 3D[®] 3000s

A high-performance, high-capacity virtual storage system for Fibre Channel or IP SANs, delivering full features with best-in-class availability and usability.

System Highlights

Storage Capacity (max)	168TB per system
Storage Tiers	Solid State Disk (SSD), Fibre Channel Enterprise, Fibre Channel Economy Enterprise, Serial ATA (SATA)
RAID Levels	0, 5/3, 5/5, 10
Host Interfaces	4 Fibre Channel (standard) Additional 4 Fibre Channel or iSCSI (optional)
Storage Intermix	Intermix bay types within system and drive types within bays
Server Connections (max)	248
Drives per System (max)	224
Virtual Disks per System (max)	512
Battery-Protected Memory	2GB
Operating Systems ¹	Microsoft [®] Windows [®] , Novell [®] NetWare [®] , SUSE [®] Linux [®] , Red Hat [®] Linux [®] , HP-UX, IBM [®] AIX [®] , Mac [®] OS, Sun [™] Solaris [™]

Capabilities Highlights

- Storage virtualization
- Ability to attach to both Fibre Channel and IP SANs
- Local and cross-system replication
- Snapshot
- Four storage tiers
- Intermix of bay types within system and drive types within bays
- Volume management
- Modular scalability
- Activity reporting and monitoring
- Automation controls
- Nondisruptive upgrades
- Powerful boot from SAN

Storage Tiers

Storage Tier	SSD	Fibre Channel Enterprise	Fibre Channel Economy	SATA
Drive Type	SSD	Fibre Channel	Fibre Channel	SATA-II
Drive Capacity (GB)	6	300 ² , 146 ² , 73	500, 300	750
Drive Speed (rpm)	N/A	15,000, 10,000	7,200 ³	7,200
Bay Type	Fibre Bay II	Fibre Bay II, Storage Bay IV	Fibre Bay II	Storage Bay IV SATA
Drives per Bay (max)	14	16	16	16

Software and Management

DataScale [™] Copy	Intra-system snapshot and replication
DataScale Geo-Replication	Cross-system snapshot and replication
TimeScale [™] Family	Cross-system replication
DataScale GeoRAID [™]	Distribution of single system for protection from local site failures
ICON	Management and administration of multiple Magnitude 3D systems
Storage Monitor	System automation, reporting, and monitoring.
ActiveWatch	System to Xiotech Support monitoring

¹ iSCSI support for Microsoft Windows, Novell NetWare (1Q07), SUSE Linux, and Red Hat Linux only

² 4 Gbs Fibre Channel drives available for Storage Bay IV

³ Effective rpm for Fibre Channel Economy drives

Availability and Reliability

Dual controller, physically independent controller chassis, physically independent drive bays

Intra-controller and cross-cluster failover; no host software required

Nondisruptive drive bay and capacity addition options

Redundant, hot-swappable controllers, drives, and power supplies

Nondisruptive controller and software upgrade options⁴

Physical Specifications

Component	Depth (in/cm)	Width (in/cm)	Height (in/cm)	Weight (lb/kg)
Dimensional Controller Node	25.6 / 65.0	16.7 / 42.0	3.5 / 8.9	53.0 / 24.0
Fibre Bay II (SBOD)	21.1 / 53.2	19.0 / 48.3	5.13 / 13.4	81.0 / 37.0 ⁵
Storage Bay IV	21.1 / 53.2	19.0 / 48.3	5.13 / 13.4	81.0 / 37.0 ⁵
ICON Management Appliance	14.0 / 35.5	16.7 / 42.4	1.7 / 4.3	17.5 / 7.9

System Power Specifications

Component	Voltage	Current	Power	Heat Dissipation
Dimensional Controller Node	100 / 240 V	2.5 A	500 W	1,706 btu/hr
Fibre Bay II (SBOD)	208 / 240 V	3.0 A	600 W	1,884 btu/hr
Storage Bay IV	208 / 240 V	3.0 A	600 W	1,884 btu/hr
ICON Management Appliance	208 / 240 V	0.45 A	180 W	614 btu/hr

Environmental Specifications

Operating Temperature	40-95°F / 4-35°C
Relative Humidity	20-80% (noncondensing)
Maximum Altitude	8,000 ft / 2,438 m
Acoustic Output	< 65 dBA

Regulatory Approvals

Safety	UL 1950, IEC 60950, CB Certification and Report from UL
Electromagnetic Compatibility	FCC (Class A), EN55022 (Class A), EN55024 (Class A), CE Mark

ExpertCare Support

Basic Warranty	Parts and labor for a period of two years (hardware); 90 days software 24x7 phone support, same business day email response, and next business day on-site support and shipment of replacement parts
Optional Upgrades	4-hour on-site response and parts ⁶ Warranty and maintenance extension options

⁴ Some restrictions apply; consult with your Xiotech representative for additional information

⁵ Fully populated with drives

⁶ Available in Support Zone 1 only

Specifications subject to change without notice.

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TECHNOLOGY SOLUTIONS

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