

Magnitude 3D[®] 3000 Storage Family

Feature-rich virtual storage systems for Fibre Channel or IP storage area networks (SANs)



Data Keeps Growing

with no signs of stopping. Part of this growth is simply a matter of the way we work today. The increased use of email and online services, for example, leads to larger mailboxes and databases. You probably also must comply with various regulatory and industry mandates that demand the retention of more data for longer periods of time. All that data is of little use, however, if you can't access it or if access takes too long.

An effective storage solution seamlessly scales to meet your organization's growing appetite for capacity, while ensuring availability and fast access. It must also be easy to manage. Even though your needs are growing, your organization's IT budget may demand that you do more with existing staff and maximize the return on your IT investments.

The Solution

Magnitude 3D 3000 Family

The Magnitude 3D 3000 family of SAN solutions is built on a virtualized, distributed cluster architecture. This unique design, coupled with Xiotech's DataScale[™] family of management software, delivers the ease of use, flexibility, performance, and availability you need.

- **Powerful, Simplified Management:** The Magnitude 3D 3000 family simplifies both storage and server management, lowering operational costs. Existing IT personnel can easily manage growing storage, leaving more time to focus on strategic initiatives.

- **Flexibility:** Magnitude 3D 3000 components are modular, so you can deploy them when and where they are needed—including connection to other Magnitude[®] family products for nearly unlimited scalability. You also can match server connection and disk drive types to your needs and budget.
- **Performance:** Innovations such as storage virtualization, dynamic cache, and solid state disk (SSD) drives deliver the performance your applications demand. Higher productivity, faster transactions, and more responsive websites are just a few of the ways Magnitude 3D 3000 performance can benefit your bottom line.
- **Availability:** From its resilient design, to on-the-fly storage configuration, and a variety of replication options, Magnitude 3D 3000 systems attack all the causes of downtime to keep your data and applications online and accessible.

Technical innovation isn't the end of the story. Xiotech is strongly committed to your satisfaction. We offer the tools, training, and services that help you make the most of your storage solution.

The Result

The Magnitude 3D 3000 family of SAN solutions delivers seamless scalability, fast access, and consistently available data and applications—all while lowering both capital and operating costs.

Magnitude 3D 3000 in More Detail

Powerful, Simplified Management

Because Magnitude 3D 3000 is so easy to use, existing IT staff can manage more storage, and there is no need for vendor consultants or storage specialists.

- Storage configuration and changes are simple, point-and-click operations.
- No server-side software and powerful boot from the SAN capabilities make software upgrades and server replacement faster and easier.

Flexibility

Magnitude 3D 3000 offers tremendous flexibility and scalability. You can easily increase capacity and add features as your needs change and budget allows.

- Modular controllers and drive bays can be deployed when and where they are needed—in a single rack or distributed across campus.
- Fibre Channel and IP SAN (iSCSI) connectivity are available in the same system.
- Tiered storage options let you use the most cost-effective drives for your needs, and easily move data among tiers.
- Virtual links enable you to connect Magnitude family systems to share capacity and data.

Performance

Magnitude 3D 3000 incorporates exclusive features that deliver the fast performance your applications and users need.

- Storage virtualization stripes data across all disks in the system, so all spindles work together to process requests.
- SSD drives provide maximum throughput for performance-hungry applications.
- Application VDisk cache lets you turn cache on or off at the virtual disk level, so applications that require increased throughput do not compete for cache with applications that don't need it.
- VDisk prioritization allows you to specify which applications receive service first, unlike most other systems in which read and write requests are serviced on a first-come first-served basis.

Availability

Magnitude 3D 3000 eliminates most causes of downtime to keep your applications and data online and ready for business.

- On-the-fly changes and upgrades eliminate virtually all planned downtime.
- Automatic failover and failback within the controller and across cluster components ensure continued availability in the event of local outage.
- DataScale GeoRAID™ software automates data replication and failover between components.
- DataScale Geo-Replication software lets you easily copy and mirror data between systems.
- Monitoring and alerting systems inform you of any issues that might adversely affect the system.

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