

MAGNITUDE

Architected Storage Area Network (SAN)

Business-critical data demands a complete architected SAN solution that conforms to open system standards. The XIOtech[®] MAGNITUDE[™] is the only solution that was designed from the ground up to incorporate all the components of a SAN in one centralized, easy-to-manage, highly-available configuration.

A high-performance RAID controller, an eight-port fibre channel switch, and logical volume management software are integrated in the highly-compatible MAGNITUDE, making it easy to implement multiple SAN components from a wide variety of vendors. XIOtech's exclusive REal-time Data Intelligence (REDI[™]) Software Family, which is based on true storage virtualization, makes the MAGNITUDE the easiest SAN to use and provides the foundation necessary to significantly scale your SAN as business needs grow.

You Can't Afford Downtime

Maximizing data, server, and application availability is what the MAGNITUDE does best. The MAGNITUDE incorporates redundant, hot-swappable components and allows disks and servers to be added on the fly. If server clustering is required, the MAGNITUDE's cluster-ready architecture provides a many-to-many failover capability.

Connect All Your Servers

The MAGNITUDE supports point-to-point, fibre channel-arbitrated loop (FC-AL), and switched fabric topologies, which can be implemented concurrently to allow connection to a large number of heterogeneous servers and operating systems.

Manage Logical Storage Space, Not Physical Drives

The MAGNITUDE combines the capacity and performance of individual disk drives into a pool of shared storage, making data management a snap. An individual server's storage can be added, removed, expanded, or moved in seconds—on the fly. Disk drives of different capacities and speeds can be used simultaneously—the MAGNITUDE uses all the storage space, not just the capacity that is common to each drive. Even RAID levels can be changed while the system is online. This flexibility allows the MAGNITUDE to grow to meet future capacity needs while never having to go offline.

REDI Software Family Options

REDI Access Software Suite enables multiple servers to access the same storage volume, allowing server clustering and automatic server failover.

REDI Control Software Suite allows configuration and monitoring of the MAGNITUDE from a remote location via either a LAN or modem connection.

REDI Copy Software provides the ability to duplicate storage volumes. It enables a zero window backup as well as data testing, versioning, and data migration capabilities.

REDI SAN Links & REDI SAN Links Replicator Software extend the capabilities of the MAGNITUDE across the enterprise. Multiple MAGNITUDEs can be connected to simplify capacity planning, provide outstanding remote data protection, and offer near limitless scalability.

MAGNITUDE Specifications

Configurations

| | | | | | |
|-----------------------------|---|--------------|---------|-------|----------|
| Maximum Server Connections | 8 point to point 192 FC-AL or fabric (or combination of point-to-point, FC-AL, and fabric) | | | | |
| Hard Drive Support | Ultra2 SCSI (LVD) | | | | |
| Hard Drive Type | 18GB, 36GB, 50GB, 73GB, 180GB | | | | |
| Hard Drive Capacity | 7,200, 10,000, 15,000 | | | | |
| Hard Drive R/min | | | | | |
| Minimum/Maximum Drives | | | | | |
| Main Cabinet | 8/32 | | | | |
| Expansion Cabinet | 4/32 | | | | |
| Total | 64 | | | | |
| Maximum RAID 0 Capacity | | | | | |
| Main Cabinet (180GB Drives) | 5,760GB | | | | |
| Expansion Cabinet | 5,760GB | | | | |
| Total | 11,520GB | | | | |
| RAID Levels Supported | 0, 1, 5, 10 | | | | |
| Server OS Support | Windows NT | Windows 2000 | NetWare | Linux | MacOS |
| | HP-UX | IRIX | Solaris | AIX | UnixWare |
| SNMP Client/Agent | Optional | | | | |

Connectivity

| | |
|------------------------------|--|
| PCI Host Adapter Board (HAB) | PCI 2.1 compliant, with a fiber optic link to connect 1-8 servers to the MAGNITUDE. Server and MAGNITUDE HABs are identical. |
| PCI FC-AL Board | Plugs directly into the MAGNITUDE and provides a fiber optic link to fibre channel hubs, switches, and third-party FC-AL boards in servers. Provides support for switched fabric topologies. |
| Maximum Fibre Distance | 10 km |

Power

| | | |
|-------------------------------------|------------|-------------|
| Input Voltage (VAC) Amp | 90-140/16* | 220-240/10* |
| Frequency (Hz) | 50-60 | |
| KVA (maximum configuration) | 1.8 | |
| KVA (minimum configuration) | 1.2 | |
| Heat Dissipation (max. config. BTU) | 7,000 | |
| Heat Dissipation (min. config. BTU) | 4,700 | |

* Requires dedicated 20A circuit

Physical Specifications

| | |
|--|-----------|
| Depth (in/cm) | 25/58.4 |
| Width (in/cm) | 17.4/44.2 |
| Height with Casters (in/cm) | 61/155 |
| Weight (min. config. lb/kg, no drives) | 534/242.2 |
| Weight (max. config. lb/kg, full) | 678/307.6 |

Environmental Specifications

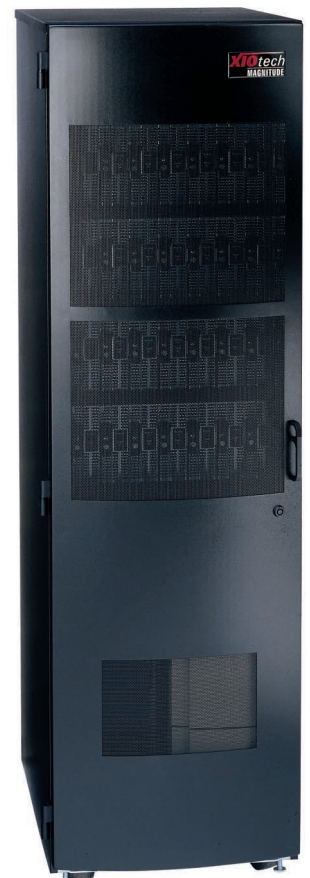
| | |
|-------------------------------|--------------|
| Operating Temperature (°F/°C) | 50-100/10-38 |
| Humidity | 20-80% |
| Maximum Altitude (ft/m) | 8,000/2,438 |

Regulatory Approvals

| | | |
|--------|----------|---------|
| Safety | 120V | UL 1950 |
| | 220-240V | TUV |
| EMI | 120V | FCC A |
| | 220-240V | CE Mark |

Standard Warranty

Parts and labor for XIOtech brand products for a period of three years, next business day onsite service, phone support, email support, and Service Release Packs. Third-party products sold with the MAGNITUDE are covered by the original manufacturer's warranty and are not supported under XIOtech's standard warranty.



XIOtech MAGNITUDE

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