

48-bay RAID Solution

Compact Design with Expandability

RAID Inc. is pleased to add its newest addition to the Falcon line of products. Housing 48 SATA drives in 4U of rack space, the Falcon III can store 48TB of data in a single unit. The dual controller solution has the ability to expand an additional 48 drives with a companion 4U JBOD which would allow users to possess 96TB in 8U of total space.

Availability and flexibility

The Falcon III combines 4Gb Fibre Channel (FC) RAID connectivity with Serial ATA II (SATA) disk drives, and Serial Attached SCSI (SAS) expansion technology, offering affordable RAID data storage and high performance capabilities.

Falcon III provides the bandwidth needed for disk-to-disk backup, archiving and other storage-intensive applications, while leveraging SAS full duplex, point-to-point architecture with dedicated connections for maximum data throughput. There is also no single point of failure, with two RAID controllers per chassis and host-based dynamic multi-pathing to maintain continuous access to application data.

Green design

The Falcon III has the lowest power consumption (50 percent more TB per KW), and highest density (33 percent more TB per sq. ft.) of any nearline storage RAID system on the market

Manage Storage and Recovery

RAID Inc.'s StorageWatch management software makes it simple to configure and administer the Falcon III storage system. Automated control of individual controller's cache, arrays and devices via a web-based interface simplifies storage administration, while the full-function Command Line Interface (CLI) allows integration of array management into existing operational procedures.

Key Features

- RAID 0, 1, 5, 6, 10 & 50 support
- Four (4) 4Gb/s high speed Fibre Channel host connections per system
- Up to 48 high performance cost effective SATA-2 drives in one system
- Expandable to 96TB using qualified 1TB hard drives
- Online capacity growth through dynamic array and LUN expansion
- Cableless, modular design and redundant, hot-swappable components for fault tolerance
- 512 LUNs
- CLI, GUI interfaces



Performance Highlights

Sequential Read	820MB/s
Sequential Write	680MB/s (WT)
Random Read	575MB/s
Random Write	140MB/s
IOPS	70K Max

Exceptional 24/7 Support

The Falcon III comes with a maintenance and management service package that not only monitors but manages your data 24/7. RAID Inc.'s patent pending StorageWatch® remote monitoring service provides real-time proactive monitoring of the overall condition of your storage solution 24 hours a day, 7 days a week. All components of your solution and environment are monitored for irregularities including; storage arrays, RAID controllers, disk drives, power supplies, cooling, switches & fabric (all SAN devices) and backup devices.

This product is available with:
STORAGEWATCH®