drobo pro ™

DroboPro. Storage That Manages Itself.

Introducing DroboPro™, the first business class storage array that manages itself. Engineered to be both simple and scalable, the revolutionary BeyondRAID™ technology incorporated into DroboPro frees businesses from making the difficult and confining choices commonly associated with storage management. Why trade simplicity for safety, or stability for expandability? DroboPro delivers both enterprise-level data safety and unprecedented expandability, featuring single and dual disk redundancy combined with instant capacity expansion. Once you experience DroboPro, you just might forget the differences between all eleven traditional RAID levels. If you do, don't panic. You're experiencing the peace of mind that comes with every Drobo® product.

Up to 8 Disks of Instant Expansion to 16TB and Beyond

Grow your storage in line with your data capacity needs with minimal effort. To add capacity, simply insert a new hard disk or replace your smallest disk with a larger one, even when all eight-disk bays are full. Unlike traditional RAID systems, the BeyondRAID technology found in DroboPro enables you to mix n' match capacities, disk brands and speeds. This allows for continuous expansion as disk capacities grow. With DroboPro expansion is automatic, instantaneous and access to data is always maintained.

Unparalled, instant expansion

No Headache Dual Disk Redundancy

Enable the Dual Disk Redundancy option to protect against the simultaneous failure of up to two hard disks. It's all done with a single click, without ever losing access to your data. Running out of space? You can even switch back to single disk redundancy with a click. For instance, unlike moving between RAID 5 and RAID 6, there's no need to reformat or migrate data off of the array, potentially saving you hours or days.

Triple Interface Featuring iSCSI

Attach DroboPro directly to the server or workstation that requires storage or to a shared server or workstation on your network that can provide access to multiple clients. Interface options include:

- iSCSI (utilizes Gigabit Ethernet)
- FireWire 800
- USB 2.0

Unfamiliar with iSCSI? It's a high performance protocol that has become extremely popular with businesses, but it can often be complex to manage. DroboPro changes that by introducing zero click iSCSI connection establishment for both Windows and Mac OS X.[1]

The Virtues of Smart Volumes™

Create new volumes in seconds and manage up to 16 x 16TB volumes over time with ease. The innovative and timesaving Smart Volume management technology integrated into DroboPro allows volumes to pull storage from the common pool of disks rather than a specific physical disk allocation. The labor of resizing and migrating volumes is replaced with the simplicity of intelligent engineering.

Supercharge Your Backup Strategy

symantec™
qualified technology

Backup and recovery demands continue to grow and your basic tape infrastructure is probably not keeping up with the growth of data and the need for speed. Replace your aging tape infrastructure with the DroboPro as your disk-to-disk backup target and enjoy the speed and reliability that BeyondRAID brings to the table. Certified with Symantec's Backup Exec 2010, the DroboPro provides unparalleled backup and recovery price/performance and reliability to ensure your data is always available in case of disaster.

Rack Mount Ready, Desktop Quiet

DroboPro is equally at home in a rack mount environment as it is on your desktop. Dual smart fans automatically manage their speeds to optimize both cooling and operating noise.

What is BEYOND RAID ™ ?

BeyondRAID leverages the same underlying data protection methodologies as traditional RAID, including mirroring and striping with parity; however, BeyondRAID applies these algorithms on top of a robust and flexible storage virtualization platform. This allows for the removal of the limitations and drawbacks normally associated with RAID.

Key benefits of BeyondRAID include:
- Data protection against hard disk failure
- Instant capacity expansion without downtime
- Self-management
- Automatic healing

data robotics, inc.

drobo pro™ Technical Specifications

Space Used:

Blue:
0% - 100% of capacity used

Data Transfer:

Green:
iSCSI, FireWire, or USB activity

Power Modes:

Green:
Power on, DroboPro ready

Yellow:
Standby mode

Red:
Over Temperature
Cool down and power cycle to restart

"Actions Required" Indicators:

Green:
No action needed.
System is healthy.

Solid Yellow:
Add or upsize a drive here soon.
DroboPro is 85% full, add more capacity.

Blinking Green and Yellow:
Don't remove any drives, operate normally.
DroboPro is optimizing data layout. You still can read and write to DroboPro during optimization.

Solid Red:
Add or upsize a drive here.
DroboPro is over 95% full, add capacity soon!

Blinking Red:
Replace this drive, immediately!
This hard drive has failed. Depending on capacity, your data could be at risk until you replace this failed drive.

Specifications:

Drives:	Accommodates from one to eight 3.5" SATA I / SATA II hard disk drives of any manufacturer, capacity, spindle speed and/or cache. No carriers or tools required
Interfaces:	iSCSI (utilizes Gigabit Ethernet), FireWire 800 (FireWire 400 compatible) and USB 2.0
Dimensions:	12.17" width x 5.46" height x 14.1" length DroboPro Rack Mount (SKU: DRPR1R11) sold separately (3U high in a standard 19" rack)
Weight:	16 lbs. 3 ozs. (without hard disks or packaging)
Operating Temperature:	Operating temperature: 10°C-35°C (50°-95°F); Non-operating (storage): -10°-60°C (14°-140°F); Altitude (operating): 2,438 m (8,000 ft.); Operating humidity: 5% - 80%
Power:	180W internal power supply. Power-saving automatic hard disk spin-down option
AC Voltage:	AC Input: 100/240 VAC, 1.8/0.75 A, 50/60 Hz
Cables Included:	Ethernet (1 x 6'), FireWire 800 (1 x 6'), USB 2.0 (1 x 6') and power (1 x 6')
Software:	DroboPro Resource CD with Drobo Dashboard application (Windows and Mac OS X), Help files and electronic documentation
File System Support:	NTFS, HFS+, FAT32, EXT3
System Requirements:	Microsoft Windows XP (Service Pack 3), Vista (Service Pack 1), Windows 7, Server 2003, and Server 2008; Apple's Mac OS X 10.4.11 or greater and OS X Server 10.4.11 or greater (Mac OS X 10.5.6 or greater recommended for optimal iSCSI performance and reliability); Linux using EXT3[3]

[1] iSCSI support for Windows XP Server and Vista utilizes the Microsoft Windows iSCSI Initiator; for OS X Drobo Dashboard is required as OS X does not have an integrated iSCSI initiator. Drobo Dashboard includes iSCSI initiators for Windows and OS X free of charge and enables zero click iSCSI connection establishment.
[2] Linux support currently in Beta.
Note: Hard drives are sold separately and are not included.

(DroboPro Rack Mount sold separately)

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