Once again, Mylex raises the bar on SCSI adapter performance — with RAIDPlus. Now standard on every Mylex FlashPoint™ SCSI host adapter card, RAIDPlus offers built-in RAID capability. This provides a low-cost alternative to using a separate RAID controller card and eliminates the need for lower-performance, software-only RAID solutions.

By connecting multiple drives in a RAID (Redundant Array of independent Disks) configuration, the benefits are maximum data throughput and data security. RAIDPlus enables FlashPoint SCSI adapters to provide three RAID levels:

**Level 0**
Also known as striping, Level 0 splits data across multiple drives, providing the fastest throughput levels. By adding a second disk drive in a RAID configuration to a server, data throughput increases up to 96%. The addition of two new drives (i.e., a three-drive RAID system) can mean a performance increase of up to 143%.

**Level 1**
Also known as mirroring, the same data is written onto two or more drives simultaneously. Level 1 provides the ultimate in data security as well as the fastest backup available. In the case of a single drive failure, there is enough information on the remaining drive(s) to completely restore lost data. This form of backup is in place as soon as the data is stored. While tape and optical backup will continue to be used to protect against complete system failure, the extra measure of safety provided by RAIDPlus will prove to be invaluable.

**Level 0+1**
This provides the advantages of both striping and mirroring.

Best of all, RAIDPlus comes at no additional cost (existing Mylex adapters can be easily upgraded with RAIDPlus firmware for a small cost.) For the first time, the speed and security of RAID hardware functionality are affordable and easily available to the desktop PC and to small/mid-sized network servers.

RAID technology is ideal for financial institutions, engineering departments, video-imaging producers and web site/multimedia developers — as well as SOHO (small office/home office). In fact, virtually any organization using data-intensive applications will realize significant performance gains with RAIDPlus.

**Specifications**
- RAID levels 0, 1, and 0+1
- Bootable array
- Configuration Wizard, Status Monitor, Alert Notification
- Hot spare, online rebuild
- Hot-swap feature with proper cabinet enclosure
- SCSI passthrough support for non-RAID devices
- Password-protected configuration
- Maximum of eight drives per SCSI adapter with RAID
- Supports up to two RAID configurations per system
- Stripe sizes 16K, 32K, 64K, and 128K
- Supports duplexing across two channels
- Software driver support for Windows 95 and Windows NT
- Floppy-based AutoSCSI™ for current 32K flash memory; BIOS-resident AutoSCSI for 64K flash memory
- Optimized for best application-level performance
Benefits

- Performance: Up to 96% faster with two striped disks; up to 143% faster with three striped disks
- Data security: Fault tolerance and instantaneous back-up
- Increased speed and security translate into greater data accessibility and availability on networks
- Flexibility: Supports both RAID and non-RAID devices (such as CD-ROM, floppy and tape drives); configures for both RAID and non-RAID hard drives
- No additional cost: Standard feature in all FlashPoint host adapters
- Ideal for SOHO (small office/home office), workgroup peer-to-peer LAN, multimedia development, personal Web servers, audio/video applications

RAIDPlus GUI Utility

- Simple configuration management
- RAID status monitoring
- Audio/visual fault notification
- Initialization, rebuild, integrity check
- Hot spare
- Integrated, context-sensitive help

Ordering Information

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*Kits include board, manuals, cables and software*