

# RocketRAID 3520

## 8 Channel PCI-e SATA II IOP Based RAID Controller

### Host Adapter Architecture

- TerabyteStream™ for Blazing Performance
- Intel IOP 80341(800MHz)
- PCI -Express x8 (x16 slot compatible)
- 256 MB of DDR II memory with ECC protection
- Write through and write back cache
- 8 SATA II channels at 3Gb/s per port
- Multi -adapter support up to 4 adapters
- BIOS booting support
- BIOS PnP and BBS (BIOS boot specification)support
- Intel RAID 6 Engine for large capacity RAID arrays
- Battery Backup Unit (BBU) Optional
- RoHS compliant

### Advance RAID Features

- Support RAID 0, 1, 5, 10, 50, 6 and JBOD
- Multiple RAID support
- Multiple Logical Drive Support
- Online array roaming
- Online capacity expansion (OCE) and Online RAID level migration (ORLM)
- Quick and Background initialization for instant RAID configuration
- Automatic drive insertion / removal detection and rebuild
- 64bit LBA support greater than 2TB per volume
- S.M.A.R.T monitoring hard drive status for reliability
- Staggered Spinup with user selection in BIOS
- (MAID) spin down drives in array is idle

### Array Monitors, Alerts and Indicators

- Active/Failed LED
- SMTP for email notification
- SAF -TE (I2C) enclosure management
- Alarm / Buzzer alerts for array activity

### RAID Management

- TerabyteSaver™ and TerabyteGuard™ for Data Protection and Reliability
- Firmware update in the Operating System
- Hot key (ctrl-h) boot-up RAID manager via BIOS
- API library for customizing AP
- Command Line Interface (CLI)
- Web browser-base RAID management software
- Disk scrubbing to prevent degraded RAID arrays
- Bad sector repair and remapping to reduce dropped drives
- ATA pass-through mode support

### Operating System Support

- Windows (2000, XP)
- WHQL Certified for Windows Vista and Windows 2003)
- Linux
- Mac OS X 10.4 (Tiger) and 10.5 (Leopard)
- FreeBSD
- Open Source Driver (GPL Licensed) into Linux kernel