



# RocketRAID 3500 Series

## RocketRAID 3500 Series Features

- HighPoint TerabyteArchitecture™ - (TerabyteStream™, TerabyteGuard™ and TerabyteSaver™)
- HighPoint TerabyteStream™ leverages Intel® ADMA to deliver Hardware Embedded Acceleration for RAID 5 XOR and RAID 6 (P+Q)
- Intel® IOP341 (800MHz) processor and RAID offload provides true hardware RAID
  - SCSI device driver model to take advantage of the benefits of SCSI using inexpensive Serial ATA drives
- Bootable array support for greater fault tolerance of your OS
- Variable stripe size for performance tuning by application
- 64-bit LBA support (greater than 2TB volume)
- ATA pass-through mode support
- Up to 256MB DDR2 memory with ECC protection
- RAID Management suite
  - RocketRAID 3500 series BIOS/Firmware configuration tool
  - RocketRAID web GUI - browser-based management tool
  - Command Line Interface (CLI) – scriptable configuration tool
- SNMP (Simple Network Transport Protocol)
- SMTP - for email notification of RAID events
- Independent RAID Module on Board - remote management and troubleshooting of RAID array
- Variable Sector Size (VSS) for auto address over 2TB of storage
- Battery Backup Unit (BBU) support
- Multiple logical unit sizes and RAID levels on one card
- Multiple card support within a system for large storage requirements
- Hot-swap and hot-spare support for data availability
- Dynamic sector repair and remapping to reduce dropped drives
- S.M.A.R.T. disk drive monitoring for reliability
- Auto Rebuild with new drive insertion
- Drive activity LED and Failed LED support
- Online Capacity Expansion and Online RAID Level Migration
- Write journaling for improved performance and data protection
- Automatic drive insertion and removal notification (Spare / New Inserted Hard Drive)
- Chassis Control Unit for enclosure management via I2C and SGPIO
- RoHS compliant

## Operating System Support

- Microsoft® Windows® 2008/2003/XP/2000, Vista 32 and 64 bit WHQL Certified Windows (2003/2008, Vista 32 and 64bit)
- Red Hat Enterprise Linux, Open SuSE, Fedora Core, Debian, Ubuntu FreeBSD and Mac OS X.
- Linux driver embedded into kernel 2.6.25 and higher.

## RocketRAID 3500 Series Specifications

- Low profile form factor (4 and 8-port configurations)
- Full-height form factor (12 and 16 port configurations)
- PCI Express x8 configurations, PCI Express 1.1 compliant
- Serial ATA 2.6 Specification support
- BIOS PnP (plug and play) and BBS (BIOS boot specification) support
- Operating Temperature Without BBU: 0°C to 50°C  
With BBU: 10°C to 40°C
- Power Requirements 18W maximum
- Dimensions
  - RocketRAID 3560 9.54" L x 4.38" H (242.0mm x 111.0mm)
  - RocketRAID 3540 7.95"L x 3.77"H (202.0mm L x 96.0mm H)
  - RocketRAID 3530 6.75"L x 2.63"H (167.0mm L x 67.0mm H)
  - RocketRAID 3522 6.75"L x 2.63"H (167.0mm L x 67.0mm H)
  - RocketRAID 3520 6.75"L x 2.63"H (167.0mm L x 67.0mm H)
  - RocketRAID 3510 6.75"L x 2.63"H (167.0mm L x 67.0mm H)

## Service and Support

- 3-year warranty
- Support via email at support@highpoint-tech.com
- For latest motherboard and hard drive compatibility lists go to: [www.highpoint-tech.com](http://www.highpoint-tech.com)

## Accessories

- BBU-03 Battery Backup Unit
- Int-MS-1M4S (1m (3ft) SFF-8087 to SATA)
- Ext-MS-1M4ES (1m (3ft) SFF-8088 to eSATA)
- Ext-MS-1MIB (Latch) (1m (3ft) SFF-8088 to SFF-8470)
- Ext-MS-1MSB (Screw) (1m (3ft) SFF-8088 to SFF-8470)

## RocketRAID 3500 Series Selection Guide

	RocketRAID 3510	RocketRAID 3520	RocketRAID 3522	RocketRAID 3530	RocketRAID 3540	RocketRAID 3560
Form Factor	Low profile	Low profile	Low profile	Full height	Full height	Full height
Port Count	4	8	8	12	16	24
I/O Processor	Intel 341 (800Hz)	Intel 341 (800MHz)	Intel 341 (800MHz)	Intel 341 (800MHz)	Intel 341 (800MHz)	Intel 341 (800MHz)
Onboard Memory	256 MB DDR2	256 MB DDR2	256 MB DDR2	256 MB DDR2	256 MB DDR2	1GB
PCI Express Lanes	8	8	8	8	8	8
RAID Levels	0,1,3,5,6,10, and JBOD	0,1,3,5,6,10,50 and JBOD	0,1,3,5,6,10, and JBOD	0,1,3,5,6,10,50 and JBOD	0,1,3,5,6,10,50 and JBOD	0,1,3,5,6,10,50 and JBOD
Ethernet Port	No	No	Yes	Yes	Yes	Yes
Connector Type	Internal mini-SAS	Internal mini-SAS	External mini-SAS	Internal mini-SAS	Internal mini-SAS	External / Internal mini-SAS
BBU Support	Yes	Yes	Yes	Yes	Yes	Yes
UPC Code	643653351008	643653352005	643653352203	643653353002	643653354009	6436533560003



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