

# RR-2744

## SPECIFICATION

### Features

#### Host Adapter Architecture

- PCI Express 2.0 x16
- Upto 16 SAS/SATA HDD via 2\*SFF-8088 Mini-SAS
- RAID 0,1,5,10,50 and JDOB

#### Maintenance and Management Settings

- RAID Array Roaming
- Unplug/Remove RAID array
- Hot key (ctrl-h) boot-up RAID manager via BIOS
- Firmware update while running the Operating System
- Verify RAID Array for Bad Sectors and Parity Check
- Task Scheduler
- Automatic RAID rebuild
- Automatic drive (insert / removal) detection
- Hot Spare Disk
- Staggered Drive Spinup
- Rebuild Priority (Low - Highest)
- Spin Down Idle Mode
- Hot Swap and Hot plug
- Bad sector repair and remapping to reduce dropped drives
- Multiple RAID array
- Multiple Logical Drive
- 64bit LBA support greater than 2TB per volume

#### RAID Management Utilities

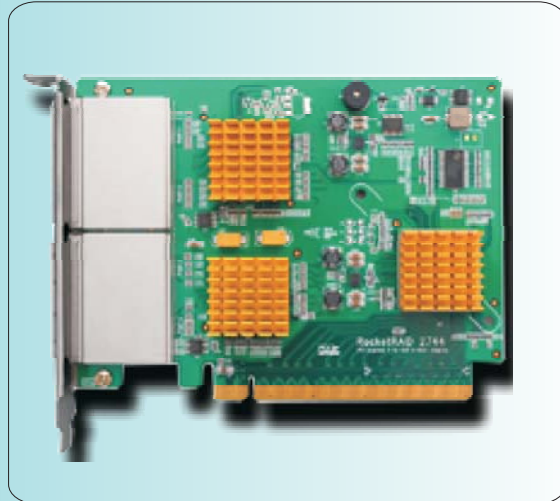
- Command Line Interface (CLI)
- Web browser-base RAID management software
- API

#### Operating System Support

- Windows Vista, 2008, 7(32/64 bit)
- Windows 2003, XP(32/64 bit)
- Linux 1.0
- FreeBSD 1.4-1.3

#### RAID Monitoring Tools

- SMTP for email notification
- Alarm / Buzzer alerts for drive failure
- SES-2 enclosure management (Failed, SMART (SHI))
- Enclosure management support I2C
- SHI (Storage Health Inspector – Drive analysis from S.M.A.R.T)
- Event Log



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#### Package Contents

- Controller Card
- Quick installation guide
- Software CD including Drivers, RAID management and User's Guide

#### Operating Voltage

- 3.3V (4W max) / 12V (1W max)



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