*HighPoint*
*Technologies, Inc.*

# Rocket 600 Series
## 2 & 4 Channel SATA 6Gb/s, PCI-Express 2.0 HBA

# *HighPoint 6Gb/s SATA HBA's*

## The Industry's most affordable SATA 6Gb/s Host Adapters

HighPoint's Rocket 600 Series HBA's are the Industry's most affordable, SATA 6Gb/s storage HBA's, and are ideal for desktop and workstation PC's.
Available with 2-4 Internal or external SATA ports, Rocket 600 series SATA 6Gb/s host bus adapters utilize a PCI-Express 2.0 host bus interface, and were designed to support today's fastest SATA 6Gb/s HDD's and SSD's.

## Designed for PC Platforms

Rocket 600 series HBA's are the ideal platform for any cost-conscious SATA 6Gb/s storage upgrade project, and are easily installed into any PCI-Express capable PC.
Rocket 600 HBAs are backward compatible PCI-Express 1.0 and 2.0 motherboards, and are compliant with major PC operating systems including Windows 8, 7, Vista and Linux Distributions.

## Supports all Generations of SATA Hard Drives and SSD's

Rocket 600 HBA's support the industry's latest 6Gb/s hard drives and SSD's, while providing full backwards-compatibility with legacy SATA 1.5Gb/s or 3Gb/s devices.
Rocket 600 series HBA's utilize industry standard cables and connectors to simplify hardware installation and storage upgrade projects.

## Introducing the Rocket 600L Series: 2nd Generation SATA 6Gb/s HBA's

HighPoint has expanded its best selling SATA 6Gb/s product line with the introduction of the 4-channel Rocket 600L HBA's, which are available with internal or external port configurations.

The industry standard AHCI driver supports RAID 0 and 1 configurations.

### *Feature Highlights*

- **PCI-Express 2.0 Host Interface**

- **Up to 4 SATA or eSATA Ports**

- **AHCI based RAID 0, 1**

- **AHCI compliance – driver less installation for compatible operating systems.**

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## Rocket 600 Series Technical Specifications

| | |
|---|---|
| **Data Transfer Rate** | Marvell 88SE9235 (Rocket 600L) / 88SE912x (Rocket 600A) |
| **Number of Device Ports** | Up to 6Gb/s per port |
| **Host Bus Interface** | Up to 4 6Gb/s SATA ports |
| **Device Connector Type** | PCI-Express 2.0 x1/x4 |
| **Device Connector Type** | Industry standard SATA/eSATA |
| **Devices Supported** | Directly supports 4 SATA devices |
| **Physical Form Factor** | Low Profile / Full Height (Rocket 644L) |
| **RAID Features Suite (Rocket 600L only)** | RAID 0, 1 (powered by Industry Standard AHCI) |
| **Operating System Support** | Windows 8, 7, 2008, Vista, Linux Distributions |
| **Operating Temperature** | Work Temp: +5°C ~+ 55°C Storage Temp: -20°C ~ +80°C Relative Humidity: 5% ~ 60% non condensing |
| **Operating Voltage** | PCI-e 12V: 2.5W; 3.3V: 0.7W |
| **Mean Time Before Failure (MTBF)** | 920,585 Hours |
| **Certification Approval** | FCC, CE |

| **2nd Gen 4-Port HBA Models** | **Rocket 640L** | **Rocket 644L** |
|---|---|---|
| **Product Image** |  |  |
| **Host Bus Interface** | PCI-Express 2.0 x4 | PCI-Express 2.0 x4 |
| **Number of Device Ports** | 4 SATA Ports | 4 eSATA Ports |
| **Form factor** | Low Profile | Full Height |
| **Retail Box Dimensions** | 7.76"L x 6.81" W x 1.18" H | 7.76" L x 6.81" W x 1.18" H |
| **Retail Box Weight** | 0.51 lbs. | 0.50 lbs. |
| **UPC Code** | 643653640027 | 643653644032 |

| **2-Port HBA Models** | **Rocket 620A** | **Rocket 622A** |
|---|---|---|
| **Product Image** |  |  |
| **Host Bus Interface** | PCI-Express 2.0 x1 | PCI-Express 2.0 x1 |
| **Number of Device Ports** | 2 SATA Ports | 2 eSATA Ports |
| **Form factor** | Low Profile | Low Profile |
| **Retail Box Dimensions** | 6.49" L x 6.49" W x 2.5" H | 6.49" L x 6.49" W x 2.5" H |
| **Retail Box Weight** | 1.00 lbs. | 1.00 lbs. |
| **UPC Code** | 643653620012 | 643653622016 |