

# HighPoint RocketHybrid Smart HBA product line

*Create your own Hybrid Drive*

Innovative Smart Hybrid Technology enables you to take full advantage of low cost, large capacity SATA hard drives and combine them with the high performance benefits provided by SSD devices. These ground-breaking HBA's combine the performance benefits of SSD's, with low cost, high capacity SATA hard drives, forming a Smart Hybrid Storage Solution. The Smart Hybrid Storage Solution provides the perfect blend of performance and capacity, without sacrificing affordability; satisfying the needs of gamers, digital image editors and their power-hungry application.

## ★ HighPoint RocketHybrid- Hybrid Drives

HighPoint's RocketHybrid HBA's combine the superior performance of an SSD, with the cost-effective, high-capacity value of a SATA HDD, into a single storage device know as a Hybrid Drive. Hybrid Drives are optimized for high-performance computing, and deliver 80% of the SSD's performance boost, with 100% of the HDD's capacity.



## ★ Applications

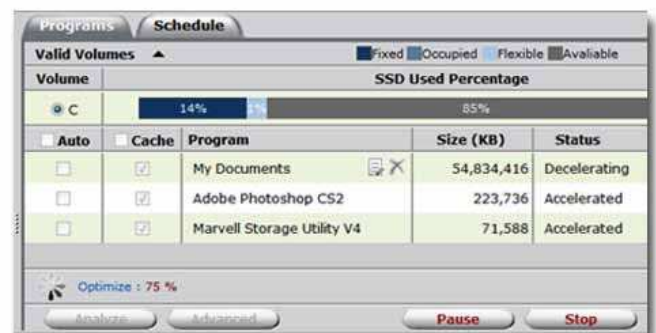
HighPoint's RocketHybrid HBA's combine high-value and high performance into a solution that appeals to a wide array of clients-types, ranging from the home PC enthusiast, to Media Professionals, Graphic Artists and Photographers.



## ★ Management Suite – Create and Optimize Hybrid Drives

A simple, easy to use management suite allow users to quickly configure Hybrid Drives. Two types of Hybrid Drive are available; **Safe Mode** mirrors all data to the HDD for security. **Capacity Mode** optimizes the Hybrid Drive for rapid file access – ideal for high performance applications like media editing and gaming.

Advanced users can customize their Hybrid Drive, and manually select files for optimization using the Web Interface.



## ★ HighPoint RocketHybridHBA's; SATA 6Gb/s PCI-E 2.0 RocketHybrid 1220 and 1222

Model	RocketHybrid 1220	RocketHybrid 1222
PCI-Express Bus Lanes	2.0x1	2.0x1
SATA 6Gb/s Controller	Marvell 88SE9130	Marvell 88SE9130
SATA Interface	2 SATA Devices	2 SATA Devices
Prot/Connector type	SATA	eSATA
Form Factor	Low Profile	Low Profile
Board Dimensions	3.99'L x 4.16'W	3.99'L x 4.16'W

## Feature Highlight

● <b>Performance:</b> 80% SSD
● <b>Price:</b> 1/3 the cost
● <b>Capacity Mode:</b> Best Performance
● <b>Safe Mode:</b> Performance and Fault Tolerance
● <b>GUI:</b> Flexible, intuitive administration console for power users

### Maintenance and Management Settings

- Hot key (ctrl-m) boot utility
- Hot swap and hot plug capability
- Power Efficient – Going Green Saves Green

### Management Suite

- Web based management interface (MSU)

### Monitoring Tools

- Hard disk LED

## PHYSICAL SPECIFICATIONS

Size: 3.99'L x 4.16'W(RH122x)  
EMI : FCC Part 15 Class B and CE

## Thermal and Atmospheric Characteristics:

Work Temperature Range : +5 °C ~ +55 °C  
Relative Humidity Range : 5% ~ 60% non condensing  
Storage Temperature : +20 °C ~ +80 °C  
MTBF: 920,585 Hours

## KIT CONTENTS

- RocketHybrid 122x Host Adapter
- Quick installation guide
- CD including Management Suite and User Guide
- SATA cable(Internal model only)

## Performance Benchmarks

RockHybrid has undergone rigorous performance testing with various HDD and SSD capacities and vender brands. Below are benchmark results based on industry-stand PCMark test measurements.

	HDD	RocketHybrid	SSD
	Western Digital 6G 1TB	256GB SSD + 1 TB HDD	Micron 6G 256GB
<b>PCMARK</b>	5580	25675	28179

	HDD	RocketHybrid	SSD
	Seagate 320GB	80GB SSD + 320GB HDD	Intel 80GB
<b>PCMARK</b>	4602	25428	31443

	Capacity	Storage Cost	Performance
Option 1: SSD Only	320GB SSD	\$800 + (100% baseline)	31443 (100% baseline)
Option 2: RocketHybrid	80GB + 320GB = 400GB	\$250(31%)	25428(80.9%)
Option 3: HDD Only	320GB = HDD	\$50(6%)	4602(14.6%)

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