

Overview

HPE RDX Removable Disk Cartridges

The HPE RDX Removable Disk Cartridge is a rugged and removable hard disk drive cartridge that provides easy offsite data protection and quick access to your most critical data. When used with an HPE RDX internal or external dock, the HPE RDX backup system becomes an ideal entry level backup solution for small businesses with a single server or branch offices with little or no IT resources



What's New

- RDX 3TB Removable Disk Cartridge

Models

RDX 500 GB Removable Disk Cartridge	Q2042A
RDX 1 TB Removable Disk Cartridge	Q2044A
RDX 2 TB Removable Disk Cartridge	Q2046A
RDX 3 TB Removable Disk Cartridge	Q2047A

Key Features & Benefits

- Easy scalability with a choice of 500GB, 1TB, 2TB or 3TB cartridge capacities.
- Portability with a shock proof cartridge style hard drive
- Drag and drop file backup and restore with fast disk based random access file retrieval.
- Yosemite Server Backup Basic software provides easy encryption and automatic scheduling

Overview

- Operates in a “Fixed Disk” mode, enabling Windows Operating Systems to view HPE RDX USB 3.0 drives as a valid disk target and therefore used with integrated Windows Backup Applications (rather than requiring a third party backup software)
- Fast access to the data with 360 GB/hour transfer rate (uncompressed data) using USB 3.0
- Designed for durability with over 5,000 load/unload insertions over the lifetime of the disk.
- Cartridges are interchangeable in any HPE RDX Removable Disk Backup System

Related Hardware Options

HPE RDX Internal Docking Station

C8S06A

RDX Removable Disk Backup System Internal Docking Station installation poster/flyer, internal USB cable, power cable. Is backwards and forwards compatible with any RDX capacity media.



HPE RDX External Docking Station

C8S07B

RDX Removable Disk Backup System External Docking Station installation poster/flyer, external USB Y-cable. Is backwards and forwards compatible with any RDX capacity media



Product Highlights

The Flexible Way to Protect Your Business Data Faster and More Securely

- The HP RDX Removable Disk Cartridge delivers flexibly meeting both budget and capacity requirements with a choice of 320 GB, 500 GB, 1 TB and 2 TB removable disk cartridges. The HP RDX Removable Disk Backup System works with current and future higher capacity cartridges for backward compatibility.
- Backs up data at fast hard drive speeds (up to 360 GB/hr) and restores critical files in seconds instead of hours with the benefit of random disk access versus a tape drive solution.
- Backup using drag and drop file access which makes backup simple and convenient. Scheduled backups are supported through support for leading backup software. For a hands-free backup experience use the HP RDX Removable Disk Backup System and Yosemite Server Backup.

Protects Your Business Data While Respecting Your Business Costs

- The HP RDX Removable Disk Cartridge reduces on-going media and upgrade costs with disk cartridges designed with a long usage life.
- Rugged, portable and durable removable disk cartridges enable business critical backup data to be simply and securely taken off-site for disaster recovery, archive or data transfer.
- Cartridges are specified for over 5,000 load and unload cycles and designed for long life expectancy.
- RDX 500 GB, RDX 1 TB and RDX 2 TB cartridges are tested to withstand a drop of 1 meter (3 ft).

Works in a Broad Set of Small Business Operating Environments

- The HP RDX Removable Disk Cartridge suits almost every small business operating environment.
- The RDX Removable Disk Backup System is compatible with all current and future higher capacity RDX Removable Disk Cartridges making the system fully multi-generational.

Compatibility

Hewlett Packard Enterprise has an extensive compatibility testing program that verifies the HPE RDX Removable Disk Cartridge and HPE RDX Removable Disk Backup Systems work with other competitor's branded RDX backup systems.

HPE RDX Removable Disk Cartridge and HPE RDX Removable Disk Backup Systems are compatible with the following classes of HPE ProLiant servers and storage products.

- HPE ProLiant DL Servers
- HPE ProLiant ML Servers
- HPE StoreEver Tape Storage

For details of which HPE RDX Removable Disk Cartridges work with which systems, including third-party systems, visit: <http://www.hpe.com/storage/spock> for the latest hardware compatibility information.

NOTE: Hewlett Packard Enterprise recommends that no more than one HPE RDX Removable Disk Backup System be connected to a system at a time.

OS Support

Operating System	Version
Windows Server	2012R2 (x64), 2012 (x64), 2008 R2 (x64), 2008 (x86,x64)

Product Highlights

Windows	8.1(x86, x64), 8(x86, x64), 7(x86, x64), Vista (x86, x64)
Red Hat Linux	5 (x86), 5 (x64), 6 (x86), 6 (x64), 7(x64)
Suse Linux	11 (x86), 11 (x64), 10 (x86), 10 (x64)

NOTE: Please visit: <http://www.hp.com/storage/spock> for the latest operating system compatibility information.

Backup Software Support

Yosemite Server Backup Basic Software, HPE Data Protector Express, CA BrightStor ARCserve Backup, Symantec Backup Exec, and other backup applications that support removable disk media

NOTE: Please visit: <http://www.hpe.com/storage/spock> for the latest compatibility information.

Warranty

Hewlett Packard Enterprise provides a 3 year, next-day, parts exchange, limited warranty for the HPE RDX Removable Disk Cartridge, plus 9x5 phone support for the duration of the warranty.

For more information about the HPE RDX Removable Disk Cartridge limited warranty, visit: <http://h20000.www2.hp.com/bizsupport/techsupport/document.jsp?objectid=c01423593>

For more information about HPE's Global Limited Warranty and Technical Support, please visit: <http://h20000.www2.hp.com/bizsupport/techsupport/document.jsp?objectid=c01423593>

Technical Specifications

General Characteristics	RDX 500GB Cartridge	RDX 1TB Cartridge	RDX 2TB Cartridge	RDX 3TB Cartridge
Native Capacity	500GB	1TB	2 TB	3 TB
Compressed Capacity (assumes 2:1 application based data compression)	1 TB	2 TB	4 TB	6 TB
Average Sustained Transfer Rate, Native	100MBs	100MBs	100MBs	100MBs
Average Sustained Transfer Rate, Compressed (assumes 2:1 application based data compression)	200MBs	200MBs	200MBs	200MBs
Burst Transfer Rate (USB)	600 MBs	600 MBs	600 MBs	600 MBs
Data Access Time	12 milliseconds	12 milliseconds	12 milliseconds	12 milliseconds
Supported File Systems	FAT32, NTFS, ext2, ext3	FAT32, NTFS, ext2, ext3	FAT32, NTFS, ext2, ext3	FAT32, NTFS, ext2, ext3
Cartridge Load/Unload Cycles	5,000 (minimum)	5,000 (minimum)	5,000 (minimum)	5,000 (minimum)
MTBF	500,000 hours @ 100% duty cycle	500,000 hours @ 100% duty cycle	500,000 hours @ 100% duty cycle	500,000 hours @ 100% duty cycle
Uncorrected Error Rate	1 error per 10 ¹⁴ bits read	1 error per 10 ¹⁴ bits read	1 error per 10 ¹⁴ bits read	1 error per 10 ¹⁴ bits read
Disk Speed (rpm)	5400	5400	5400	5400
Disk Form Factor	2.5 inches	2.5 inches	2.5 inches	2.5 inches
Dimensions - Out Of Box (HxWxD)	0.92 x 3.39 x 4.68 inches 2.34 x 8.66 x 11.9 cm	0.92 x 3.39 x 4.68 inches 2.34 x 8.66 x 11.9 cm	0.92 x 3.39 x 4.68 in 2.34 x 8.66 x 11.9 cm	0.92 x 3.39 x 4.68 in 2.34 x 8.66 x 11.9 cm
Dimensions - Shipping (HxWxD)	3.35 x 5.32 x 7.99 inches 8.50 x 13.5 x 20.3 cm	3.35 x 5.32 x 7.99 inches 8.50 x 13.5 x 20.3 cm	3.35 x 5.32 x 7.99 inches 8.50 x 13.5 x 20.3 cm	3.35 x 5.32 x 7.99 inches 8.50 x 13.5 x 20.3 cm
Weight - Out Of Box	0.41 lb (188g)	0.41 lb (188g)	0.56 lb (255g)	0.56 lb (255g)
Weight - Shipping	0.81 lb (367g)	0.81 lb (367g)	0.96 lb (435g)	0.96 lb (435g)
Temperature Range	5 to 45° C; 41 to 113° F (operating), -40 to 65° C; -40 to 149° F (non operating)	5 to 45° C; 41 to 113° F (operating), -40 to 65° C; -40 to 149° F (non operating)	5 to 45° C; 41 to 113° F (operating), -40 to 65° C; -40 to 149° F (non operating)	5 to 45° C; 41 to 113° F (operating), -40 to 65° C; -40 to 149° F (non operating)
Relative Humidity	20 to 80%, non condensing (operating) 10 to 90%, non-condensing (non operating)	20 to 80%, non condensing (operating) 10 to 90%, non-condensing (non operating)	20 to 80%, non condensing (operating) 10 to 90%, non-condensing (non operating)	20 to 80%, non condensing (operating) 10 to 90%, non-condensing (non operating)

Technical Specifications

Altitude	-50 ft to 10,000 ft (operational) -50 ft to 35,000 ft (non operational)	-50 ft to 10,000 ft (operational) -50 ft to 35,000 ft (non operational)	-50 ft to 10,000 ft (operational) -50 ft to 35,000 ft (non operational)	-50 ft to 10,000 ft (operational) -50 ft to 35,000 ft (non operational)
Vibration	random vib(operational): 0.30Grms 5Hz to 500Hz, sine vib(non-op): 0.75g (0-peak) 5Hz to 500Hz, random(non-op): 2.41Grms 5Hz to 500Hz half sine 31G @2.6ms (operational), half sine 71G @ 2m (non operational)	random vib(operational): 0.30Grms 5Hz to 500Hz, sine vib(non-op): 0.75g (0-peak) 5Hz to 500Hz, random(non-op): 2.41Grms 5Hz to 500Hz half sine 31G @2.6ms (operational), half sine 71G @ 2m (non operational)	random vib(operational): 0.30Grms 5Hz to 500Hz, sine vib(non-op): 0.75g (0-peak) 5Hz to 500Hz, random(non-op): 2.41Grms 5Hz to 500Hz half sine 31G @2.6ms (operational), half sine 71G @ 2m (non operational)	random vib(operational): 0.30Grms 5Hz to 500Hz, sine vib(non- op): 0.75g (0-peak) 5Hz to 500Hz, random(non-op): 2.41Grms 5Hz to 500Hz half sine 31G @2.6ms (operational), half sine 71G @ 2m (non operational)
Shock (non operating)	3 feet (1 m; 39.4 in.) drop to tile over concrete floor	2.16 feet (0.66 m; 25.98 in.) drop to tile over concrete floor	3 feet (1 m; 39.4 in.) drop to tile over concrete floor	3 feet (1 m; 39.4 in.) drop to tile over concrete floor
Activity LED	Green - cartridge is ready Blinking Green - Activity (reading, writing, seeking) Amber - Fault detected	Green - cartridge is ready Blinking Green - Activity (reading, writing, seeking) Amber - Fault detected	Green - cartridge is ready Blinking Green - Activity (reading, writing, seeking) Amber - Fault detected	Green - cartridge is ready Blinking Green - Activity (reading, writing, seeking) Amber - Fault detected
Warranty	3 Year	3 Year	3 Year	3 Year

Summary of Changes

Date	Version History	Action	Description of Change
07-Jun-2016	From Version 9 to 10	Changed	Added 3TB capacity information and related hardware
16-Oct-2015	From Version 8 to 9	Removed	<p>Removed 320GB cartridges, updated picture to not show that cartridge. Removed specific mention of DL server modules, as those SKU's are EOL. Removed external backup system SKU's (EOL).</p> <p>Removed mention of CDP software, replaced with mention of Yosemite Server Backup Basic and Fixed Disk mode.</p>
31-Mar-2014	From Version 7 to 8	Changed	<p>Changes made to Overview, What's New, Features and Technical Specifications sections.</p>
23-Aug-2013	From Version 6 to 7	Added	<p>Added "HPE" the Models.</p> <p>August 13, 2012 - From Version 5 to 6 Changes Changes made throughout the QuickSpecs.</p> <p>November 15, 2010 - From Version 4 to 5 Changes RDX 1TB Removable Disk Cartridge was added and RDX 750GB Removable Disk Cartridge was removed throughout the QuickSpecs.</p> <p>February 16, 2010 - From Version 3 to 4 Changes Changes made within the Overview, Servers Supported and Technical Specifications.</p>
05-Jun-2009	From Version 2 to 3		<p>Changes Updated the Disk Speed, Out Of Box Weight and Shipping Weight for the RDX 500GB Cartridge in the Technical Specifications section.</p> <p>October 17, 2008 - From Version 1 to 2 Changes Changes made throughout the entire QuickSpecs except for the Warranty information.</p>

Summary of Changes



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For HR RDX drives and media, 1GB = 1 billion bytes. Actual formatted capacity may be less.

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