RDX® QuikStor™

Rugged, Reliable and Removable Storage for your Business

Now available: External USB3+ Version

The Tandberg Data RDX QuikStor media-based removable storage system offers rugged, reliable and convenient storage for backup, archive, data interchange and disaster recovery. It provides enterprise performance and fast access, with transfer rates up to 260 MB/s and is available with up to 3TB per cartridge.

Enterprise Reliability

The exploding growth of mission-critical digital content combined with government regulated retention policies has created a need for secure, reliable and portable data protection solutions at an affordable cost. The Tandberg Data RDX QuikStor technology delivers a rugged design for maximum data protection and secure handling. Full backward/forward compatibility allows users to scale to higher capacities, without worrying about drive generations.

High Performance

SuperSpeed USB 3.0 interface offers high performance. With a choice of hard disk and solid-state disk media, unique performance requirements are met. From professional workstations to the low-end enterprise, RDX QuikStor provides users with best-in-class backup and archive capability that is ideally suited to help users get their businesses up and running quickly in the event of data loss.

External USB3+ Version for more mobility

The external RDX USB3+ drive only needs a USB3.0 connection to work. It is as easy to use as an external USB disk drive but much more robust and reliable. This enables RDX for outdoor usage like scientific data collection, in the media and entertainment environment, mobile workforce or just for easy data distribution across locations.

Fixed Disk Mode for Windows® Backup

Windows-Backup of current operating systems does not support removable media any more. Users are constrained either to refrain from an operating system upgrade, or to use a third party backup software. RDX QuikStor provides a fixed disk mode in USB3.0 and USB3+ drives and allows a seemless integration into Windows-backup utility.

Capacity Expansion and Media Rotation

Media Spanning to multiple RDX media allows backups to grow and to expand capacity beyond a single RDX media. All that is needed: Multiple RDX media and supporting backup software. For best practice, multiple media should be used for backup and stored off-site for disaster recovery purposes. A minimum rotation of 3 media is recommended: 1st in drive for next backup, 2nd in transit and 3rd off-site for disaster recovery.

Additional Protection

RDX WORM enhances RDX for compliant archiving (optional software solution). RDX Cartridge Encryptor (RCE) is free software to encrypt data stored on RDX media.

Key Benefits

Fast Access
Disk-based speed and data-access

Budget-Friendly
Cost-effective solution that suits all sectors from SOHO users to departmental users

Flexible
USB3.0 SuperSpeed and SATA interface, internal and external drives, SSD and HDD media in different capacities

Rugged and Tough
Rugged, shock and electrostatic proof media with more than 10 years archive life

Convenient & Secure
Expand capacity and span backups across media. Media rotation and off-site copies for archiving and peace of mind

Mobile
The external USB3+ version can be used as a mobile storage device

19"-Rack Integration with QuadPAK™
Up to 4 external RDX USB drives can be easily intstalled in a 19"-rack

Windows-Backup support
Configurable operating mode for Windows Backup Application in all USB3.0 versions

AccuGuard™ for RDX QuikStor
Provides "set it and forget it" data protection with 20:1* data deduplication
* Typical

Specifications

	Internal RDX Drives		External RDX Drives	
Form Factor	**3.5" (SATA/USB3.0)**	**5.25" (SATA/USB3.0)**	**External Housing (USB3.0)**	
Height	41 mm (1.63 in)	41 mm (1.63 in)	52 mm (2.04 in)	
Width	102 mm (4.00 in)	146 mm (5.78 in)	110 mm (4.32 in)	
Length	159 mm (6.28 in) incl. bezel	170.72 mm (6.72 in) incl. bezel	178 mm (7.00 in) incl. bezel	
Weight	408 g (0.9 lb)	635 g (1.4 lb)	615 g (1.35 lb)	
Mounting & Operating Orientation	Horizontal or Vertical			
Interface	**SATA I**	**USB3.0**	**USB3.0**	**USB3.0 (USB powered)**
Interface Connector	SATA	Type-B	Type-B	
Interface Operation Mode	Removable Disk	Removable Disk & Fixed Disk	Removable Disk & Fixed Disk	
Transfer Rate Average Sustained	Up to 45 MB/s	Up to 260 MB/s	Up to 260 MB/s	
File Access Time (average)	< 15 milliseconds			

Power Specifications

	3.5"	5.25"		External USB3.0	External USB powered
Voltage	+5 V	+5 V	+12 V	+12 V	+5 V (USB powered)
Current at Read/Write (Typical / Peak)	0.9 A / 1.6 A	0.9 A / 1.6 A	0.005 mA / 1.4 A	0.5 A / 1 A	0.9 A / 1.6 A
Power Connector	SATA Power	4-Pin Molex		5.5 mm ⊖—C—⊕	optional: 5.5 mm ⊖—C—⊕
Power Adapter	4-Pin Molex to SATA Power	SATA Power to 4-Pin Molex		Wall Adapter: +12 V (+/-10%), 1.0 A	optional Wall Adapters: +5 V (+/- 10%) 2.4 A to +12 V (+/- 10%) 1.0 A

Media

Capacity	500GB, 1TB, 2TB or 3TB (HDD) / 128GB or 256GB *See RDX Media datasheet for more information*
Read/Write Compatibility	Forward/backward compatibility to all RDX drives and systems

Reliability

Media Drop Shock (Non-operating)	1m drop to tile over concrete floor (Media)
Load-/ Unload (Minimum)	Drive: 10,000 insertion / removal cycles, Media: 5,000 insertion / removal cycles
MTBF	550,000 Hours
Vibration (max)	0.5G (operating), 1.0G (non-operating)

Environmental

Temperature	+10°C to +40°C (+50°F to +104°F) (operating), -40°C to +65°C (-40°F to +149°F) (non-operating)
Relative Humidity	20% – 80% (non-condensing, operating), 8% – 90% (non-condensing, non-operating)
Altitude	-15 m to 3,048 m (-50 ft to 10,000 ft) (operating), -15 m to 10,660 m (-50 ft to 35,000 ft) (non-operating)

Other Features

Encryption	Supports software-based encryption
WORM	Enables compliant Archiving with rdxLOCK WORM Software
Compression and Deduplication	Supports software-based compression and deduplication
Windows Backup	Fixed Disk Mode for Windows Backup Utility available in all USB3.0 versions
AccuGuard for RDX Backup Software	Single Server or Enterprise Backup incl. Exchange & SQL backup with deduplication
QuikStation	iSCSI based disk array with 8 drives

Sales Offices

Sales and support for Sphere 3D products and solutions are available in over 90 countries. Contact us today at sales@sphere3d.com.
For a full list of Sphere 3D addresses and phone numbers, please see our website at: http://sphere3d.com/contact-us/.

To contact a representative call:

Americas: 1 858 571 5555	**Asia Pacific:** +65 6818 9266	**Canada:** 1 416 749 5999
Germany/France: +49 231 5436 0	**Japan:** +81 3 5475 2140	**United Kingdom:** +44 1 189 89 8000

DS_RDX_US_2016B