

# RDX® QuikStor™

DATA SHEET

## Rugged, Reliable and Removable Storage for your Business

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 330 MB/s and is available with up to 4TB per cartridge.



rdx®  
10 YEARS

### 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 and SATA III interfaces offer 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 seamless 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. All new SATA III drives are hardware encryption aware. \*\*

### 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 III 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
- **Encryption**  
Software encryption is supported for all RDX drives. The new SATA III drives are hardware encryption aware\*\*
- **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 installed in a 19"-rack
- **Windows-Backup support**  
Configurable operating mode for Windows Backup Application in all USB3.0 versions

\* Typical \*\* With f/w support, available 2017



| Specifications                         |   |                                  |   |
|--|---|----------------------------------|---|
|  | Internal RDX Drives   |                                  | External RDX Drives   |
|  | 3.5" (SATA/USB3.0)  | 5.25" (SATA/USB3.0)              | External Housing (USB3.0)   |
| 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 III  | 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 330 MB/s*   | Up to 260 MB/s*                  | Up to 260 MB/s*   |
| File Access Time (average)             | < 15 milliseconds   |                                  |   |
| Power specifications                   |   |                                  |   |
| Voltage                                | +5 V  | +5 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 | 0.9 A / 1.6 A   |
| Power Connector                        | SATA Power  | 4-Pin Molex                      | optional: 5.5 mm  |
| Power Adapter                          | 4-Pin Molex to SATA Power   | SATA Power to 4-Pin Molex        | optional wall adapters:<br>+5 V (+/- 10%) 2.4 A to<br>+12 V (+/- 10%) 1.0 A |
| Media                                  |   |                                  |   |
| Capacity                               | 500GB, 1TB, 2TB, 3TB or 4TB (HDD) / 128GB or 256GB<br><i>See RDX Media data sheet for more information</i>  |                                  |   |
| 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 and hardware-based (SATA III only**) 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                                 |                                  |   |
| QuikStation                            | iSCSI based disk appliance with 4 or 8 drives   |                                  |   |

\*Media dependent \*\*With f/w update, available 2017

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