RDX® QuikStor™

Rugged, Reliable, Removable Storage for your Business

The Overland-Tandberg 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 330MB/s and is available with up to 5TB 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 Overland-Tandberg 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 is USB powered. It is as easy to use as an external USB disk drive but much more robust and reliable. With more conveniece for the traditional backup tasks it 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

RDX QuikStor provides a fixed disk mode in USB 3.0 drives and is the only removable storage device that integrates seamless into Windows-backup utility. Users don't have to install aditional software for data protection on Windows.

Capacity Expansion and Media Rotation

For best practice, multiple media should be used for backup and stored off-site for disaster recovery purposes. Media Spanning to multiple RDX media is possible with supported backup software and allows backups to grow and to expand capacity beyond a single RDX media.

Additional Protection

Overland-Tandberg offers enhanced security features for RDX to satisfy the requirements of a broad area of applications. **RDX WORM** enhances RDX for compliant archiving (optional software-solution). **RDX RansomBlock** protects backup data stored on RDX media against virus and ransomware attacks. **PowerEncrypt** hardware encryption for SATA III drives and RDX Cartridge Encryptor (RCE) software for USB drives are features to encrypt data stored on RDX media at no extra cost.

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**
  USB 3.0 SuperSpeed and SATA III interface, internal and external drives and HDD media in different capacities.

- **Rugged and Tough**
  Shock and drop protected media design ensures durability and reliability with more than 10 years archive life. Vibration isolation ensures write /read performance reliability.

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

- **Compliant & Secure**
  Use rdxLOCK software for WORM compliant archive and Ransomware protection.

- **Encryption**
  The RDX SATA III drives provide FIPS 140-2 validated hardware encryption.

- **Mobile**
  The external USB3+ version is USB powered and can be used as a mobile storage device.

- **19"-Rack Integration with QuadPAK™**
  Easy installation of up to 4 external RDX USB drives

- **Windows-Backup Support**
  Configurable operating mode for Windows Backup Application in all USB 3.0 versions.

Specifications	Internal RDX Drives		External RDX Drives
Form Factor	3.5" (SATA III/USB 3.0)	5.25" (SATA III/USB 3.0)	External Housing (USB 3.0)
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	USB 3.0	USB 3.0 (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 (media dependent)	Up to 330 MB/s	Up to 260 MB/s	Up to 260 MB/s
Power Specifications	SATA III	USB 3.0	USB 3.0 (USB powered)
Voltage	+5 V	+5 V · +12 V	+5 V
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 power adapter: +5 V (+/- 10%) 2,4 A to +12 V (+/- 10%) 1,0 A
Media			
Capacity	500GB, 1TB, 2TB, 3TB, 4TB or 5TB (HDD) / 128GB, 256GB (SSD) See RDX Media data sheet 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 oor (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	PowerEncrypt - hardware-based encryption for SATA III internal drives, FIPS 140-2 validated. (Software encryption is supported on all drive types.)		
WORM	Enables compliant Archiving with rdxLOCK Software, KPMG certified (optional)		
RansomBlock	Protects agains virus and ransomware attacks with rdxLOCK Software (optional)		
Compression and Deduplication	Supports software-based compression and deduplication		
Windows Backup	Fixed Disk Mode for Windows Backup Utility available in all USB 3.0 versions		
Accessories			
RDX® TENCASE	Optional, stores up to 10 RDX media in a robust and secure box (part.-no. 1022291)		
RDX® QuadPAK™	Optional, allows up to 4 RDX external drives to be securely installed in a 19" rack (part.-no. 3800-RAK)		
FIPS 140-2 Security Label Set	Optional, needed for validation of tamper evident for FIPS 140-2 (part. no. 1022445)		

Sales and support for Overland Tandberg products and solutions are available in over 90 countries.
Contact us today at sales@overlandstorage.com or sales@tandbergdata.com

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