

rdx® Media

Secure, rugged and reliable data storage

RDX is the trusted removable disk technology. The tough, rugged design provides a reliable and valuable data repository. RDX media is drop protected and resists a fall from 1 meter to concrete floor. This ensures secure handling and transportation. RDX is ideal for use in rough environments like dust, dirt or humidity.

Key Benefits



The RDX HDD media is ideal for backup, restore and long-term archiving tasks. It is an affordable solution with capacities from 500GB to 5TB. A 10 years archival life and unlimited compatibility are the best prerequisites for long term archiving of your data.



The RDX SSD media with capacities from 500GB to 8TB features the high-performance choice of RDX media. The high throughput of RDX SSDs reduces backup windows and provides fast restores and data transfers.



RDX media need to pass tests with high quality standards and business grade selection processes. Drop, vibration and climate tests are performed to ensure high quality and longevity. RDX media is specified for 5,000 load/unload cycles, providing years of daily use.



The RDX technology provides security features like RDX WORM* for compliance archiving and workflows. RDX supports software encryption tools for data security during data exchange and data vaulting.

*optional

New risks demand new business continuity strategies

The rise of ransomware attacks has shown that data, even backups, when connected to the network are still a target. RDX media can be air-gapped so that data is isolated from the network or cloud.

HDD and SSD options

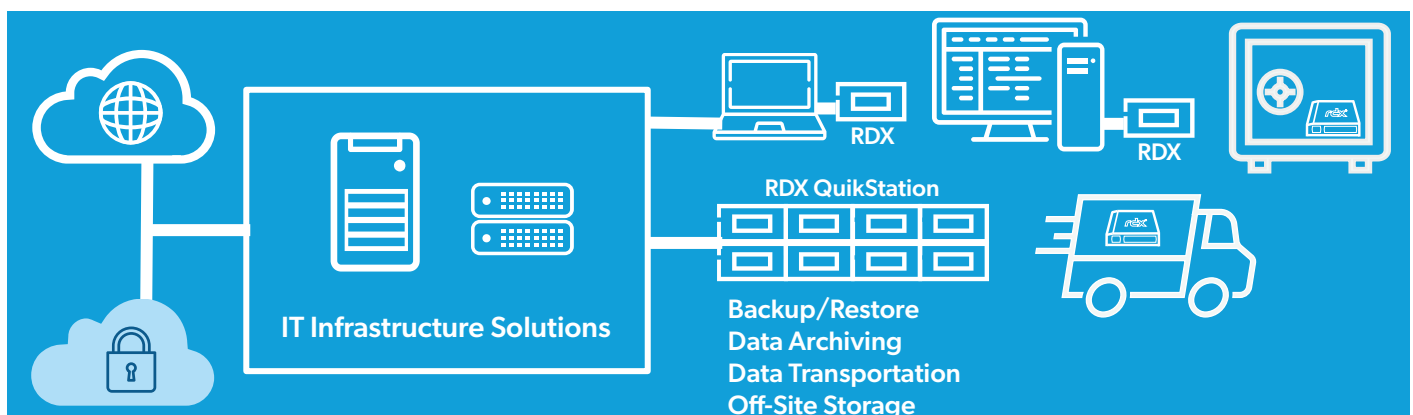
With RDX HDD and RDX SSD media options, RDX offers a broad range of use cases,.

Investment protection and lower TCO

The forward and backward compatibility of all RDX media generations ensure longer value. Each new media types undergoes rigorous RDX quality tests to ensure high quality, reliability and durability. Keyed media, meta data and unique identifier allow secure hybrid cloud workflow deployment.

Backup Standard

RDX is a backup standard in the SMB, SOHO and distributed enterprise environment for almost 20 years. As Tandberg is the technology owner of RDX, also many major OEMs have decided to add the RDX technology into their portfolio.





Positioning	HDD Media	SSD Media
Use Cases	Affordable storage for most storage applications Backup and Restore Long term archiving Compliance archiving with optional WORM feature Data exchange and data transportation	High performance demands Backup and restore of large datasets Shrinking backup windows Transfer of large files Harsh environments
Specifications	HDD Media	SSD Media
Capacity	500GB, 1TB, 2TB, 4TB, 5TB	500GB, 1TB, 2TB, 4TB, 8TB
Performance		
Transfer Rate*	up to 150MB/s	up to double speed of an appropriate HDD
Access Time	<15ms	<0.5ms
Compatibility	Compatible to all RDX drives	
Supported file systems	NTFS, FAT32, exFAT, ext4 and Mac OS Extended (HFS Plus)	
Reliability and Data Integrity		
Unrecoverable Error Rate	1 error in 10 ¹⁴ bits read	1 error in 10 ¹⁵ bits read
Drop Shock (non-operating)	1m drop to tile over concrete floor	
Load/Unload (minimum)	5.000	
MTTF	550,000 Hours (HDD dependent)	1,500,000 Hours (SSD dependent)
Environmental (operating)		
Temperature	10°C to 40°C (50°F to 104°F)	
Relative Humidity	20% - 80%, (non-condensing)	
Vibration	0.5G	
Altitude	-15m to 3,048m (-50ft to 10,000 ft)	
Environmental (shipping)		
Temperature	-40°C to 65°C (-40°F to 149°F)	
Relative Humidity	8% - 90%, (non-condensing)	
Maximum Wet Bulb	38°C (100°F), (non-condensing)	
Vibration	1G	
Altitude	-15m to 10,660m (-50ft to 35,000 ft)	
Archival Environmental		
Temperature	5°C to 26°C (41°F to 78°F)	N/A
Relative Humidity	8% - 90%, (non-condensing)	N/A
Maximum Wet Bulb	25°C (77°F), (non-condensing)	N/A
Dimension (HxWxL)	23mm x 87mm x 119mm (0.9 in x 3.4 in x 4.7 in)	
Weight	165g (0.364 lbs.) - 272g (0.600 lbs.) (HDD dependent)	100g (0.220 lbs) - 125g (0.275 lbs) (SSD dependent)
Part No.	500GB: 8541-RDX 1TB: 8586-RDX 2TB: 8731-RDX 4TB: 8824-RDX 5TB: 8862-RDX	500GB: 8665-RDX 1TB: 8877-RDX 2TB: 8878-RDX 4TB: 8886-RDX 8TB: 8887-RDX
Warranty and Service	Free technical support and three years advanced replacement service	
Accessories		
RDX TENCASE	Optional, stores up to 10 RDX media in a robust and secure box (part.-no. 1022291)	
Related Products		
RDX QuikStor	Removable Disk System (download the datasheet)	
RDX QuikStation	Removable Disk Appliance (download the datasheet)	

