RDX® SSD Media

Secure, rugged and performant data storage

Key Benefits

- **High performance**
  SSD media offer higher throughput and faster I/O compared to HDDs
- **Time saving**
  RDX SSD media allow to get more done in less time
- **Faster backups**
  Backup windows are met even with larger backup sets
- **Fully compatible**
  Switching to SSD media does not require hardware change, as they are compatible with all existing RDX systems and appliances
- **Business continuity**
  Backup, bare metal restore, air gap and RansomBlock features deliver a secure and flexible safety
- **Advanced Encryption Standard (AES-256)**
  - International standard ensures high security
  - Adopted by the U.S. Government and intelligence organizations around the world
  - AES-256 encryption has never been cracked and is safe against brute force attacks
- **Impact resistant reliability**
  Highly durable media design protects against drops, electrostatic discharges and vibrations

The RDX SSD performance line media represents the next generation of the RDX technology family and provides the high-performance extension to the existing RDX portfolio.

With RDX SSD and RDX HDD, customers now have a greater choice and more flexibility in storage options based on their evolving requirements. The high transfer rate and the high throughput of RDX SSD reduces backup windows by up to 50% and provides fast restores.

Overcome shrinking backup windows

Extensive data growth and extended business availability mean that backup windows are getting smaller and smaller.

As a result, backups need to be done faster and completed sooner. With RDX SSD media backup time is reduced and backup windows are met even with larger backup sets.

Business Continuity and disaster recovery

RDX is an important component of modern 3-2-1-1 backup strategies, where 3 copies of data should be stored on 2 different media, 1 copy should be stored off-site and 1 copy should be stored on an immutable media. RDX builds the air gap for full disaster recovery and ransomware protection.

To ensure business continuity, systems need to be recovered rapidly. RDX SSD media provides fast restores and enhanced business continuity.

Fast data transfer

In use cases like media and entertainment, healthcare, Industry 4.0 or science investigations a steady stream of increasingly larger amounts of data needs to be stored and transferred. RDX SSD media provides high data throughput which makes it ideal for use in those environments.

Data Agility and Business Continuity	RDX SSD Benefits
Simplified and Comprehensive Data Lifecycle Management	RDX Manager delivers a lifecycle data management platform that enables organizations to manage and protect their digital assets in distributed environments, as well as for remote workers at the digital edge.
Optimize Application Availability	Respond to shrinking backup windows, with high speed backup and restores for critical applications and large data sets.
Comprehensive Disaster Recovery	Quickly and easily perform bare metal restore to Windows devices, enable complete system backups, or restore specified files to distributed environments and remote workers whenever network or cloud availability is impacted, or data integrity is compromised.
Mitigate Malware/Ransomware Risks	Encryption, password protection and off-site vaulting (air gap) adds multi-layer protection against virus and ransom attacks for distributed, hybrid cloud infrastructures, as well as today's remote workers.
Data Protection for the Digital Edge	High speed media enables fast read/write and data transfer for PCs, Macs, Androids, mobile and other smart devices.
Extend Retention and Capacity for 3rd Party Cloud Services	Support for Drop Box and Google Drive allows backup sync for changed or deleted files. As data requirements grow, high capacity RDX SSD (0.5TB to 8TB) eliminates the need for data deletions and extends subscription-based retention and capacity limits.
Key Verticals	Finance, Healthcare, Media & Entertainment, Manufacturing, IOT, and regulated industries.

Specifications	
Capacity	0.5TB, 1TB, 2TB, 4TB, 8TB*
Performance	
Transfer Rate	up to double speed of an appropriate HDD
Compatibility	Compatible to all RDX drives and appliances
Supported File Systems	NTFS, FAT32, exFAT, ext4 and Mac OS Extended (HFS Plus)
Reliability and Data Integrity	
Unrecoverable Error Rate	1 error in 10^{15} bits read
Drop Shock (non-operating)	1m drop to tile over concrete floor
Load/Unload (minimum)	5.000 cycles
MTTF	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)
Dimension (HxWxL)	23mm x 87mm x 119mm (0.9 in x 3.4 in x 4.7 in)
Weight	100g (0.220 lbs) - 125g (0.275 lbs) (SSD dependent)
Part No.	0.5TB: 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)

*available Q4/21