

RDX® Media

Rugged, Reliable, Removable



The Overland-Tandberg RDX® technology is a disk-based, removable media storage system which offers random access performance and high transfer rate like disk, along with the archive life, removability, portability and cost benefits of tape.

High reliability and easy handling

The Overland-Tandberg RDX media offers a rugged design for maximum data protection and secure handling. The media is well suited for data protection and archiving. It has an electrostatic proof design and is drop protected. New media types have to pass RDX quality tests before they are introduced to the market. This ensures high quality, reliability and durability. The media is keyed, so it is not possible to insert it into the drive in a wrong direction. A write protection switch prevents from deleting or overwriting data.

Optional security features

RDX WORM for compliance archiving

RDX WORM media meets an expanded set of regulatory compliance requirements and is ideal for use with archiving applications like enterprise content management and document management systems, where data must not be deleted or overwritten. WORM is a software based solution and is available for HDD media up to 4TB.

RDX RansomBlock against malware attacks

The RDX RansomBlock feature secures backups on RDX media against virus and ransomware attacks and ensures full recovery in case of infected data and blocked computer systems. The RansomBlock functionality sets all data on the RDX WORM media into a read-only mode. In addition, it allows write operations to RDX media for granted applications and processes.

RDX TENCASE

RDX TENCASE is the ideal solution for transportation and long-term safe-keeping of up to 10 RDX media. RDX TENCASE is a rugged case, which withstands drops, dust and harsh environments. It is water-resistant and can be secured with two padlocks for theft-protection of critical data.



Key benefits

- Rugged and Tough**
 Shock and drop protected media design ensures durability and reliability. Vibration isolation ensures write /read performance reliability.
- High Quality**
 Designed for business grade applications to backup, archive and store business critical data.
- Static Protection**
 RDX Media are protected against electrostatic discharge events.
- Easy Handling**
 A keyed media is enables users to insert the cartridge correctly. Software controlled media eject ensures backup completion before media is removed.
- High Flexibility**
 Fulfill performance requirements and offers various capacities for all business needs.
- Optional Security Features**
 WORM media for compliance archiving, RansomBlock media for full protection against malware attacks.
- No compatibility Issues**
 New generation RDX Media works in all drives and older media works in new generation drives. Backward and Forward compatibility allows user to upgrade to higher capacity media without compromise.
- No Cleaning**
 No mechanical parts which require cleaning.
- High Duty Cycle**
 Over 5000 insertions/ejection, 10 years archival life.



Positioning	HDD Media			WORM Media		
Use Cases	Suitable for most storage applications.			WORM: Regulatory compliance storage device for document management applications, finance, video and voice recording, technical documentation. RansomBlock: Ransomware and virus protection for backup sets.		
Backup	+			++		
Archiving	+			++		
Data Exchange	+			+/-		
Advantages	Affordable High capacity			Meets regulatory requirements or protects against virus and ransomware		
Specifications	HDD Media			WORM Media		
Capacity	500GB, 1TB, 2TB, 3TB, 4TB, 5TB			1TB, 2TB, 4TB		
Performance						
Transfer Rate	up to 150MB/s			up to 150MB/s		
Access Time	<15ms			<15ms		
Compatibility	Compatible to all RDX drives			Compatible to all RDX drives		
Reliability and Data Integrity						
Unrecoverable Error Rate	1 error in 10 ¹⁴ bits read			1 error in 10 ¹⁴ bits read		
Drop Shock (non-operating)	1m drop to tile over concrete floor			1m drop to tile over concrete floor		
Load/Unload (minimum)	5.000			5.000		
MTTF	550,000 Hours			550,000 Hours		
Environmental (operating)						
Temperature	10°C to 40°C (50°F to 104°F)			10°C to 40°C (50°F to 104°F)		
Relative Humidity	20% - 80%, (non - condensing)			20% - 80%, (non - condensing)		
Vibration	0,5G			0,5G		
Altitude	-15m to 3,048m (-50ft to 10,000 ft)			-15m to 3,048m (-50ft to 10,000 ft)		
Environmental (shipping)						
Temperature	-40°C to 65°C (-40°F to 149°F)			-40°C to 65°C (-40°F to 149°F)		
Relative Humidity	8% - 90%, (non - condensing)			8% - 90%, (non - condensing)		
Maximum Wet Bulb	38°C (100°F), (non-condensing)			38°C (100°F), (non-condensing)		
Vibration	1G			1G		
Altitude	-15m to 10,660m (-50ft to 35,000 ft)			-15m to 10,660m (-50ft to 35,000 ft)		
Archival Environmental						
Media Archive Life	10 Years			10 Years		
Temperature	5°C to 26°C (41°F to 78°F)			5°C to 26°C (41°F to 78°F)		
Relative Humidity	8% - 90%, (non - condensing)			8% - 90%, (non - condensing)		
Maximum Wet Bulb	25°C (77°F), (non - condensing)			25°C (77°F), (non - condensing)		
Dimension (HxWxL)	23mm x 87mm x 119mm (0.9in x 3.4in x 4.7in)			23mm x 87mm x 119mm (0.9in x 3.4in x 4.7in)		
Weight	165g (0.364 lbs.) - 272g (0.600 lbs.) (HDD dependent)			165g (0.364 lbs.) - 272g (0.600 lbs.) (HDD dependent)		
Partno.	500GB: 8541-RDX 1TB: 8586-RDX	2TB: 8731-RDX 3TB: 8807-RDX	4TB: 8824-RDX 5TB: 8862-RDX	1TB: 8868-RDX	2TB: 8869-RDX	4TB: 8870-RDX
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 Drive (download the datasheet)					
RDX QuikStation	Removable Disk Appliance (download the datasheet)					

Sales and support for Overland-Tandberg products and solutions are available in over 90 countries.
Contact us today at salesemea@overlandtandberg.com

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