rdx QUIKSTOR

RDX[®] QuikStor[™]

Sphere**3D**

Rugged, Reliable and Removable Storage for your Business

overland

TANDBERG DATA

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.

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. **





DATA SHEET

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

rdx QUIKSTOR





| Internal RDX DrivesExternal RDX DrivesForm factor3.5" (SATA/USB3.0)5.25" (SATA/USB3.0)External RDX DrivesHeight41 mm (1.63 in)41 mm (1.63 in)5.25" (SATA/USB3.0)External Housing (USB3.0)Width102 mm (4.00 in)146 mm (5.78 in)100 mm (4.32 in)100 mm (4.32 in)Length109 mm (6.28 in) incl. bezel17.07 zm (6.72 in) incl. bezel17.8 mm (7.00 in) incl. bezelWeight408 g (0.9 lb)635 g (1.4 lb)615 g (1.35 lb)Mounting & Operating OrientationHorizontal or VerticalInterfaceSATA IIIUSB3.0USB3.0 (USB powered)Interface Operation ModeRemovable diskRemovable diskRemovable diskInterface Operation ModeRemovable diskRemovable diskRemovable diskTransfer Rate Average SustainedUp to 330 MB/s*Up to 260 MB/s*Up to 260 MB/s*Voltage+5 V+5 V+12 V+5 V (USB powered)Current at Read/Write (Typical / Peak)0.9 A / 1.6 A0.9 A / 1.6 A0.00 sm A / 1.4 A0.9 A / 1.6 APower ConnectorSATA PowerSATA PowerSATA Power to 4-Pin Molexoptional: 5.5 mm $\bigcirc - C \odot$ Power Adapter4-Pin Molex to SATA PowerSATA Power to 4-Pin Molexoptional: 5.5 mm $\bigcirc - C \odot$ Power AdapterSATA PowerSATA Power to 4-Pin Molexoptional: 5.4 k to 4+12 V (+/-10%) 2.4 k to 4+12 V (+/-10%) 2. | Specifications | | | | | |
|--|--|---|---------------------------------|------------|------------------------------|--|
| Height41 mm (1.63 in)41 mm (1.63 in)52 mm (2.04 in)Width102 mm (4.00 in)146 mm (5.78 in)110 mm (4.32 in)Length159 mm (6.28 in) incl. bezel170 72 mm (6.72 in) incl. bezel178 mm (7.00 in) incl. bezelWeight408 g (0.9 lb)635 g (1.4 lb)615 g (1.35 lb)Mounting & Operating OrientationHorizontal or VerticalInterfaceSATA IIIUSB3.0USB3.0 (USB powered)Interface ConnectorSATAType-BType-BInterface ConnectorSATAUp to 330 MB/s*Up to 260 MB/s*Up to 260 MB/s*Interface ConnectorSATAType-BType-BInterface ConnectorSATAUp to 330 MB/s*Up to 260 MB/s*Up to 260 MB/s*Voltage+5 V+5 V+12 V+5 V (USB powered)Ourrent at Read/Write (Typical / Peak)0.9 A / 1.6 A0.9 A / 1.6 A0.9 A / 1.6 APower ConnectorSATA Power4-Pin Molexoptional: 5.5 mm Order - OrderPower Adapter4-Pin Molex to SATA PowerSATA Power to 4-Pin Molexoptional: 2.4 to +12 V (+/-10%) 1.0 AMediaCapacitySOG6, 1TB, 2TB, 3TB art ZB (HDD) / 128CB ar 256GBSee RDX Media data sheet for more informationSee RDX Media data sheet for more informationRead/Write CompatibilityForward/backward compatibility to all RDX drives and systemsMedia ItaForward/backward consetion / removal cyclesMedia Montinum)Drive: 10.000 insertion / removal cycles, 5000 insertion / removal cyclesMedia fore to the opt shock (Non-operati | | Internal RDX Drives | | | External RDX Drives | |
| Width102 mm (4.00 in)146 mm (5.78 in)110 mm (4.32 in)Length159 mm (6.28 in) incl. bezel170.72 mm (6.72 in) incl. bezel177 mm (7.00 in) incl. bezelWeight408 g (0.9 lb)635 g (1.4 lb)615 g (1.35 lb)Mounting & Operating OrientationHorizontal or VerticalInterfaceSATA IIIUSB3.0USB3.0 (USB powered)Interface ConnectorSATAType-8Type-8Interface Operation ModeRemovable disk & Fixed diskPower age SustainedUp to 330 MJ/s*Up to 260 MJ/s*Up to 260 MJ/s*Voltage+ 5 VPower specificationsVoltage+ 5 V+ 12 V+ 5 V (USB powered)Our at Read/Write (Typical / Peak)0.9A / 1.6 A0.9A / 1.6 A0.9A / 1.6 APower ConnectorSATA Power4 -Pin Molexoptional us adapters: + 5 V (+/ 10%) 2.4 A to + 12 V (+/ 10%) 1.0 APower Adapter4 -Pin Molex to SATA Power4 -Pin Molex to SATA PowerCapacitySource to rome informationRead/Write CompatibilityForward/backward compatibility to all RDX drives and systemsReliabilityIn drop to tile over concrete floor (Media)Load-/ Unload (Minimum)Drive: 10,000 insertion / removal cycles, Media: 5,000 insertion / removal cycles, Media: 50,000 insertion / removal cycles, Media: 50,000 insertion / removal cycles, Media: 50,000 insertion / removal cycle | Form factor | 3.5" (SATA/USB3.0) | 5.25" (SATA/USB3.0 | 0) | External Housing (USB3.0) | |
| Length159 mm (6.28 in) incl. bezel170.72 mm (6.72 in) incl. bezel178 mm (7.00 in) incl. bezelWeight408 g (0.9 lb)635 g (1.4 lb)615 g (1.35 lb)Mounting & Operating OrientationHorizontal or VerticalInterfaceSATAUSB3.0USB3.0 (USB powered)Interface Operation ModeRemovable diskRemovable disk & Fixed diskRemovable diskRemovable disk & Erixed diskRemovable disk & Fixed diskTransfer Rate Average SustainedUp to 330 MB/s*Up to 260 MB/s*Up to 260 MB/s*Power specifications+5 V+5 V+12 VVoltage+5 V0.9 A / 1.6 A0.09 A / 1.6 A0.9 A / 1.6 APower Specifications0.9 A / 1.6 A0.9 A / 1.6 A0.9 A / 1.6 A0.9 A / 1.6 APower Adapter4-Pin Molex to SATA PowerSATA Power to 4-Pin Molexoptional: 5.5 mm @-C_OPower Adapter4-Pin Molex to SATA PowerSATA Power to 4-Pin Molex $*5 V (+r \cdot 10\%) \cdot 2.4 a to +12 V (+r \cdot 10\%) \cdot 1.0 A$ MediaEEECapacityS006B, 1TB, 2TB, 3TB or 4TB (HDD) / 128GB or 256GB See RDX Media data sheet for more informationReliabilityIm drop to tile over concrete floor (Media)Load-/ Unload (Minimum)Drive: 10,000 insertion / removal cycles, Media: 5,000 insertion / removal cyclesMTBF550,000 Hours550,000 HoursVibration (max).05G (operating), 1.0G (non-operating) | Height | 41 mm (1.63 in) | 41 mm (1.63 in) | | 52 mm (2.04 in) | |
| 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 ME/s* Up to 260 MB/s* Up to 260 MB/s* 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 0.005 mA / 1.4 A 0.9 A / 1.6 A Power Connector SATA Power 4-Pin Molex optional: 5.5 mm Order Power Adapter 4-Pin Molex to SATA Power SATA Power to 4-Pin Molex optional: 5.5 mm Order Power Connector SATA Power SATA Power to 4-Pin Molex optional: 5.5 mm Order Read/Write Compatibility Forward/backward compatibility to all RDX drives and systems Reliability Im 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) | Width | 102 mm (4.00 in) | 146 mm (5.78 in) | | 110 mm (4.32 in) | |
| Mounting & Operating Orientation Horizontal or Vertical Interface SATA II USB3.0 USB3.0 USB3.0 (USB powered) Interface Connector SATA Type-B 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 | Length | 159 mm (6.28 in) incl. bezel | 170.72 mm (6.72 in) incl. bezel | | 178 mm (7.00 in) incl. bezel | |
| Interface SATA III USB3.0 USB3.0 (USB powered) Interface SATA Type-B 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* Up to 260 MB/s* File Access Time (average) <15 milliseconds | Weight | 408 g (0.9 lb) | 635 g (1.4 lb) | | 615 g (1.35 lb) | |
| 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) | Mounting & Operating Orientation | Horizontal or Vertical | | | | |
| 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) | Interface | SATA III | USB3.0 | | USB3.0 (USB powered) | |
| Transfer Rate Average SustainedUp to 330 MB/s*Up to 260 MB/s*Up to 260 MB/s*File Access Time (average) $- < 15 \text{ milliseconds}$ Power specificationsVoltage $+5 V$ $+5 V$ $+12 V$ $+5 V (USB powered)$ Current at Read/Write (Typical / Peak) $0.9 A / 1.6 A$ $0.09 A / 1.6 A$ $0.005 \text{ mA} / 1.4 A$ $0.9 A / 1.6 A$ Power ConnectorSATA Power 4 -Pin Molexoptional: 5.5 m \bigcirc optional: 5.5 m \bigcirc optional wall adapters: $+5 V (+'. 10\%) 2.4 A$ to $+12 V (+'. 10\%) 1.0 A$ Power Adapter 4 -Pin Molex to SATA PowerSATA Power to 4 -Pin Molex 4 -Pin MolexPower Adapter 4 -Pin Molex to SATA PowerSATA Power to 4 -Pin Molex 4 -Pin MolexPower Adapter 4 -Pin Molex to SATA PowerSATA Power to 4 -Pin Molex 4 -Pin MolexPower Adapter 4 -Pin Molex to SATA PowerSATA Power to 4 -Pin Molex 4 -Pin MolexPower Adapter 4 -Pin Molex to SATA PowerSATA Power to 4 -Pin Molex 4 -Pin MolexPower Adapter 4 -Pin Molex to SATA PowerSATA Power to 4 -Pin Molex 4 -Pin MolexPower Adapter 4 -Pin Molex to SATA PowerSATA Power to 4 -Pin Molex 4 -Pin MolexPower Adapter 4 -Pin Molex to SATA PowerSATA Power to 4 -Pin Molex 4 -Pin MolexPower Adapter 4 -Pin Molex to SATA PowerSATA Power to 4 -Pin Molex 4 -Pin MolexReliability 5 -OCC 4 -Pin Molex 4 -Pin Molex 4 -Pin MolexMedia Drop Shock (Non-operating) 1 -M drop to tile over correte floor (| Interface Connector | SATA | Туре-В | | Туре-В | |
| File Access Time (average) < < 15 milliseconds | Interface Operation Mode | Removable disk | Removable disk & Fixed | d disk | Removable disk & Fixed disk | |
| 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 O O O Power Adapter 4-Pin Molex to SATA Power 4-Pin Molex optional: 6.5 mm O O O Media Capacity SATA Power to 4-Pin Molex SATA Power to 4-Pin Molex SATA Power to 4-Pin Molex +12 V (+/-10%) 2.4 A to +12 V (+/-10%) 2.4 A to +12 V (+/-10%) 1.0 A +12 V (+/-10%) 2.4 A to +12 V (+/-10%) 1.0 A +12 V (+/-10%) 1.0 A | Transfer Rate Average Sustained | Up to 330 MB/s* | Up to 260 MB/s* | | Up to 260 MB/s* | |
| 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 O_C_O O Power Adapter 4-Pin Molex to SATA Power SATA Power to 4-Pin Molex optional: 0.9 A / 1.6 A 0.9 A / 1.6 A Media Capacity SATA Power SATA Power to 4-Pin Molex optional: s.5 mm O_C_C_O O Read/Write Compatibility SATA Power SATA Power to 4-Pin Molex optional: s.5 mm O_C_C_O O Read/Write Compatibility Satter Satter Satter Satter Satter Media Drop Shock (Non-operating) Forward/backward compatibility to all RDX drives and systems Tm drop to tile over concrete floor (Media) Load-/ Unload (Minimum) Drive: 10,000 insertion / removal cycles, Media: 5,000 insertion / removal cycles S50,000 Hours Vibration (max) | File Access Time (average) | < 15 milliseconds | | | | |
| 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 O | Power specifications | | | | | |
| Power Connector SATA Power 4-Pin Molex optional: 5.5 mm optional: 5.5 mm optional wall adapters: +5 V (+/- 10%) 2.4 A to +12 V (+/- 10%) 1.0 A Media Media Sata Power to 4-Pin Molex Sata Power to 4-Pin Molex optional wall adapters: +5 V (+/- 10%) 2.4 A to +12 V (+/- 10%) 1.0 A Readia Sata Power to 4-Pin Molex Sata Power to 4-Pin Molex state Power to 4-Pin Molex optional wall adapters: +5 V (+/- 10%) 2.4 A to +12 V (+/- 10%) 1.0 A Readia Sata Power to 4-Pin Molex Sata Power to 4-Pin Molex state Power to 4-Pin Molex optional wall adapters: +5 V (+/- 10%) 2.4 A to +12 V (+/- 10%) 1.0 A Media Capacity SouGB, 1TB, 2TB, 3TB or 4TB (HDD) / 128GB or 256GB See RDX Media data sheet for more information Read/Write Compatibility Forward/backward compatibility to all RDX drives and systems Reliability Forward/backward compatibility to all RDX drives and systems Media Drop Shock (Non-operating) Im drop to tile over concrete floor (Media) Load-/ Unload (Minimum) Drive: 10,000 insertion / removal cycles, Media: 5,000 insertion / removal cycles MTBF Stol,000 Hours 0.5G (operating), 1.0G (non-operating) | Voltage | +5 V | +5 V +12 V | | +5 V (USB powered) | |
| Power Adapter 4-Pin Molex to SATA Power SATA Power to 4-Pin Molex optional wall adapters: +5 V (+/- 10%) 2.4 A to +12 V (+/- 10%) 1.0 A Media Sata Power to 4-Pin Molex Sata Power to 4-Pin Molex optional wall adapters: +5 V (+/- 10%) 1.0 A Media Sata Power to 4-Pin Molex Sata Power to 4-Pin Molex optional wall adapters: +5 V (+/- 10%) 2.4 A to +12 V (+/- 10%) 1.0 A Media Capacity Sotogen Transport Sotogen Transport Sotogen Transport Read/Write Compatibility Sata Power to 4-Pin Molex Forward/backward compatibility to all RDX drives and systems Read/Write Compatibility Sata Power to 4-Pin Molex Forward/backward compatibility to all RDX drives and systems Media Drop Shock (Non-operating) Im drop to tile over concrete floor (Media) Im drop to tile over concrete floor (Media) Load-/ Unload (Minimum) Drive: 10,000 insertion / removal cycles, Media: 5,000 insertion / removal cycles MTBF Sotogon Hours Sotogon Hours Vibration (max) O.5G (operating), 1.0G (non-operating) | Current at Read/Write (Typical / Peak) | 0.9 A / 1.6 A | 0.9 A / 1.6 A 0.005 n | mA / 1.4 A | 0.9 A / 1.6 A | |
| Fortice AddptsFortice is of the order is the minister+5 V (+/- 10%) 2.4 A to +12 V (+/- 10%) 1.0 AMediaCapacity500GB, 1TB, 2TB, 3TB or 4TB (HDD) / 128GB or 256GB See RDX Media data sheet for more informationRead/Write CompatibilityForward/backward compatibility to all RDX drives and systemsReliabilityMedia Drop Shock (Non-operating)Media Drop Shock (Non-operating)Im drop to tile over concrete floor (Media)Load-/ Unload (Minimum)Drive: 10,000 insertion / removal cycles, Media: 5,000 insertion / removal cyclesMTBF550,000 HoursVibration (max)0.5G (operating), 1.0G (non-operating) | Power Connector | SATA Power | 4-Pin Molex | | optional: 5.5 mm | |
| Capacity500GB, 1TB, 2TB, 3TB or 4TB (HDD) / 128GB or 256GB See RDX Media data sheet for more informationRead/Write CompatibilityForward/backward compatibility to all RDX drives and systemsReliabilityMedia Drop Shock (Non-operating)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 cyclesMTBF550,000 HoursVibration (max)0.5G (operating), 1.0G (non-operating) | Power Adapter | 4-Pin Molex to SATA Power | SATA Power to 4-Pin Molex | | +5 V (+/- 10%) 2.4 A to | |
| Contraction See RDX Media data sheet for more information Read/Write Compatibility Forward/backward compatibility to all RDX drives and systems Reliability Forward/backward compatibility to all RDX drives and systems 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) | Media | | | 1 | | |
| 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) | Capacity | | | | | |
| 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) | Read/Write Compatibility | Forward/backward compatibility to all RDX drives and systems | | | | |
| 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) | Reliability | | | | | |
| 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) | | 1 m drop to tile over concrete floor (Media) | | | | |
| MTBF 550,000 Hours Vibration (max) 0.5G (operating), 1.0G (non-operating) | | Drive: 10,000 insertion / removal cycles, Media: 5,000 insertion / removal cycles | | | | |
| | | 550,000 Hours | | | | |
| Environmental | 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) | 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) | 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) | 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 | Other features | | | | | |
| Encryption Supports software-based and hardware-based (SATA III only**) encryption | 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 | | Fixed Disk Mode for Windows Backup Utility available in all USB3.0 versions | | | | |
| QuikStation iSCSI based disk appliance with 4 or 8 drives | | 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. For a full list of Sphere 3D addresses and phone numbers, please see our website at: http://sphere3d.com/contact-us/.

©2017 Sphere 3D. All trademarks and registered trademarks are the property of their respective owners. The information contained herein is subject to change without notice and is provided "as is" without warranty of any kind. Sphere 3D shall not be liable for technical or editorial errors or omissions contained herein.