



RDX Removable Disk Technology Technical Specifications

Description	Media Type	Ruggedized, 2.5 inch mobile SATA HDD
Capacity	Native Data compression	40GB, 80GB, 120GB, 160GB, 320GB, 500GB, & 640GB 2:1 Application-based compression supported
Compatibility	Read/write	Forward and backward compatibility to all RDX systems
Performance	Transfer rate (average sustained) Transfer rate, burst Access time, average Power consumption (typical/peak)	Up to 45MB/s (25MB/s USB, 45MB/s SATA) 150 MB/sec <100 milliseconds 6.6W / 12W
Reliability and data integrity	Unrecoverable error rate Cartridge non-operating drop shock Cartridge usage Dock usage Dock service life MTBF	1 error per 10 bits read 1 m (39.4 in.) drop to tile over concrete floor 5,000 load/unload cycles (minimum) 10,000 load/unload cycles (minimum) >13 years @ 2 insertion/removals per day 550,000 hours
Physical dimensions cartridge	Height Width Length Weight	23.68 mm (0.93 in.) 86.6 mm (3.40 in.) 119.18 mm (4.69 in.) 173g (0.38 lbs.)
Physical dimensions Tabletop USB dock	Height Width Length Weight	51.8 mm (2.04 in) 109.8 mm (4.32 in) 177.5 mm (7.00 in) including bezel 540 g (1.19 lbs)
Physical dimensions Internal 3.5" SATA dock	Height Width Length Weight	41.4 mm (1.63 in) 101.6 mm (4.00 in) 159.4 mm (6.28 in) including bezel 408 g (0.90 lbs)
Physical dimensions Internal 5.25" SATA dock	Height Width Length Weight	41.4 mm (1.63 in) 146.0 mm (5.75 in) 171.9 mm (6.77 in) including bezel 635 g (1.40 lbs)
Environmental	Min/Max operating temperature Min/Max non-operating temperature Relative operating humidity Relative non-operating humidity Maximum operating vibration Maximum non-operating vibration Altitude operating Altitude non-operating Operating orientation	10° to 40°C -40° to 65°C 20% to 80%, non-condensing 10% to 90%, non-condensing 0.5 G 1.0 G -50 to 10,000 ft -50 to 35,000 ft Horizontal or Vertical
Archival environmental	Cartridge archive storage life Archival storage environment Maximum wet bulb	>30 years (offline storage in archival environment.) 5° to 26°C (41° to 78°F), 5% to 95% relative humidity 25°C (77°F), non-condensing
Other features	Encryption Barcode Automation	Supports application based encryption Supports standard and electronic barcode Soft eject with cartridge designed for robotic handling