Ultra Mobile HDD

Data Sheet

Robust Storage for High-Capacity Tablets

- Just 5mm thin and supported by a stainless steel design, the Seagate® Ultra Mobile HDD is ready for mobility.
- 500GB brings 7× more space to tablet applications at a fraction of the cost.
- Leveraging zero-gravity sensors (ZGS) provides extra protection when a device is dropped or in freefall.
- Improved shock and tolerance for gyroscopic motion supports even the intense maneuvers of gamers.
- Active balance emits fewer vibrations for a seamless end-user experience.
- Advanced power modes support low power consumption and better system battery life.
- Just 3.3 oz—about the weight of a lightbulb—keeps mobile applications light.
- Couple the Ultra Mobile HDD with the Seagate Mobile Enablement Kit's Dynamic Data™ Driver and customized reference design for more storage with no compromise to system battery life, robustness or responsiveness.

Best-Fit Applications

- Tablets
- Convertible and detachable storage
- Ultra-mobile, ultra-portable applications for storage expansion

Ultra Mobile HDD

Seagate ®

Specifications	500GB[1]
Standard Models	ST500LT035
Interface	SATA 6Gb/s
Cache (MB)	16
Zero Gravity Sensor (ZGS)	Yes
Performance	
Seek Average, Read (ms)	<13
Seek Average, Write (ms)	<15
Max. Sustained Data Transfer Rate OD (MB/s)	100
Max. Data Transfer Rate (MB/s)	600
Configuration/Organization	
Bytes per Sector (logical/physical)	512/4096
Reliability/Data Integrity	
Load/Unload Cycles	600,000
Nonrecoverable Read Errors per Bits Read, Max	1 per 10E14
Power Management	
Startup Power, Typical (A)	1.0
Power (W)	
Seek, Typical	1.4
Idle, Typical	0.48
Environmental	
Temperature (°C)	
Operating	0 to 60
Nonoperating	−40 to 70
Shock (Gs)	
Operating: 2ms	400
Nonoperating: 1ms	1000
Acoustics (bels—sound power)	
Idle, Typical	2.0
Seek, Typical	2.2
Physical	
Height (mm/in)	5.0/0.197
Width (mm/in)	69.85/2.75
Depth (mm/in)	100.35/3.95
Weight (g/lb)	93/0.205
Carton Unit Quantity	50
Cartons per Layer	10
Cartons per Pallet	60
Special Features	
Halogen Free	Yes
RoHS Compliance	Yes

1 One gigabyte, or GB, equals one billion bytes when referring to drive capacity.

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