

# 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 manoeuvre 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 light bulb - keeps mobile applications light.
- Couple the Ultra Mobile HDD with the Seagate Mobile Enablement Kit's Dynamic Data™ Driver and customised 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



Specifications		500GB <sup>1</sup>
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/Organisation		
Bytes per Sector (logical/physical)		512/4,096
Reliability/Data Integrity		
Load/Unload Cycles		600,000
Non-recoverable Read Errors per Bits Read, Max		1 per 10 <sup>14</sup>
Power Management		
Startup Power, Typical (A)		1.0
Power (W)		
Seek, Typical		1.4
Idling, Typical		0.48
Environmental		
Temperature (°C)		
Operating		0 to 60
Non-operating		–40 to 70
Shock (Gs)		
Operating: 2ms		400
Non-operating: 1ms		1,000
Acoustics (bels — sound power)		
Idling, 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

<sup>1</sup> One gigabyte, or GB, equals one billion bytes when referring to hard drive capacity.



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