

Samsung Spinpoint T 500GB HDD 3.5" Serial ATA II

Brand : Samsung **Product family:** Spinpoint T **Product code:** HD501LJ
Product name : 500GB HDD

500GB HDD, SATA II, 16MB, 3.5"

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Key features:

- Serial ATA 3.0 Gbps Interface Support.
- SATA Native Command Queuing Feature.
- Device Initiated SATA Power Management.
- Staggerd Spin-up Support.
- High Speed Dual DSP Based Architecture.
- ATA S.M.A.R.T Compliant.
- ATA Automatic Acoustic Management Feature.
- ATA 48-bit Address Feature.
- ATA Device Configuration Overlay Feature.
- SilentSeek.
- ImpacGuard.

Samsung Spinpoint T 500GB HDD. HDD size: 3.5", HDD capacity: 500 GB, HDD speed: 7200 RPM



Features		Operational conditions	
HDD size *	3.5"	Operating temperature (T-T)	0 - 60 °C
HDD capacity *	500 GB	Storage temperature (T-T)	-40 - 70 °C
HDD speed *	7200 RPM	Operating relative humidity (H-H)	5 - 90%
Interface *	Serial ATA II	Storage relative humidity (H-H)	5 - 95%
Type *	HDD	Operating altitude	0 - 3000 m
Storage drive buffer size	16 MB	Non-operating altitude	0 - 12000 m
Full stroke seek time	18 ms	Operating shock	63 G
Track to track seek time	0.8 ms	Non-operating shock	300 G
Average seek time	8.9 ms	Weight & dimensions	
Average latency	4.17 ms	Width	101.6 mm
SMART technology	✓	Height	25.4 mm
Bytes per sector	512	Depth	146.1 mm
Start/stop cycles	50000	Weight	640 g
Mean time between failures (MTBF)	600000 h	Other features	
Power		Acoustic pressure emissions	2.4 dB
Power consumption (typical)	8 W	Drive ready time	10 s
Power consumption (standby)	1.2 W		
Operating voltage	5 / 12 V		

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