

## Samsung Spinpoint T 300GB HDD 3.5" Serial ATA II

**Brand :** Samsung      **Product family:** Spinpoint T      **Product code:** HD300LJ

**Product name :** 300GB HDD

300GB Serial ATA II HDD

[Samsung Spinpoint T 300GB HDD 3.5" Serial ATA II:](#)

**Features:**

- Ultra ATA-100 or Serial ATA 3.0 Compliant.
- Fluid Dynamic Bearing Spindle Motor Technology.
- High Speed Dual Digital Signal Processor (DSP) Based Architecture.
- ATA S.M.A.R.T. Compliant.
- ATA Security Mode Feature Set.
- ATA Host Protected Area Feature Set.
- ATA Automatic Acoustic Management Feature Set.
- ATA 48-bit Address Feature Set.
- ATA Streaming Feature Set 4.
- ATA Device Configuration Overlay Feature Set.
- Multi-Burst On-The-Fly Error Correction.
- NoiseGuard.
- SilentSeek.

Samsung Spinpoint T 300GB HDD. HDD size: 3.5", HDD capacity: 300 GB, HDD speed: 7200 RPM



Features		Power	
HDD size *	3.5"	Operating voltage	5 / 12 V
HDD capacity *	300 GB	<b>Operational conditions</b>	
HDD speed *	7200 RPM	Operating temperature (T-T)	0 - 60 °C
Interface *	Serial ATA II	Storage temperature (T-T)	-40 - 70 °C
Type *	HDD	Operating relative humidity (H-H)	5 - 90%
Storage drive buffer size	8 MB	Storage relative humidity (H-H)	5 - 95%
Full stroke seek time	18 ms	Operating vibration	1 G
Track to track seek time	0.8 ms	Non-operating vibration	2 G
Average seek time	8.9 ms	Operating altitude	-304.8 - 3048 m
Average latency	4.17 ms	Non-operating altitude	-304.8 - 12192 m
Bytes per sector	512	Operating shock	63 G
Start/stop cycles	50000	Non-operating shock	300 G
Mean time between failures (MTBF)	600000 h	<b>Weight &amp; dimensions</b>	
<b>Power</b>		Width	101.6 mm
Power consumption (typical)	8.7 W	Height	25.4 mm
Power consumption (standby)	0.6 W	Depth	146.1 mm
Power consumption (PowerSave)	0.6 W	Weight	653 g
Power consumption (idle)	7.2 W	<b>Other features</b>	
		Drive ready time	10 s

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