

## Samsung Spinpoint F3 HD503HI internal hard drive 3.5" 500 GB Serial ATA II



**Brand :** Samsung      **Product family:** Spinpoint F3      **Product code:** HD503HI  
**Product name :** HD503HI

HD503HI, 3.5", 500 GB, Serial ATA 3.0 Gbps, 16 MB, 8.9 ms

Samsung Spinpoint F3 HD503HI internal hard drive 3.5" 500 GB Serial ATA II:

- Max.500 GB Formatted Capacity Per Disk
- Serial ATA 3.0Gbps Interface Support
- Improved recording stability over temperature with PMR
- Advanced dynamic FOD control for best data integrity
- Intelligent compensation of external disturbance
- SATA Native Command Queuing Feature
- Device Initiated SATA Power Management
- Rotational vibration sensor(Optional)
- Environment friendly product with RoHS compliance
- Improved performance with dual-ARM based firmware
- ATA S.M.A.R.T. Compliant
- ATA Automatic Acoustic Management Feature
- ATA 48-bit Address Feature
- ATA Device Configuration Overlay Feature
- NoiseGuard™
- SilentSeek™



Samsung Spinpoint F3 HD503HI. HDD size: 3.5", HDD capacity: 500 GB, HDD speed: 5400 RPM

Features		Operational conditions	
HDD size *	3.5"	Operating relative humidity (H-H)	5 - 90%
HDD capacity *	500 GB	Storage relative humidity (H-H)	5 - 95%
HDD speed *	5400 RPM	Operating altitude	-300 - 3000 m
Interface *	Serial ATA II	Non-operating altitude	-300 - 12000 m
Storage drive buffer size	16 MB	Operating shock	70 G
Average seek time	8.9 ms	Non-operating shock	300 G
Average latency	5.52 ms	<b>Weight &amp; dimensions</b>	
Bytes per sector	512	Width	147 mm
Start/stop cycles	50000	Height	26.1 mm
<b>Power</b>		Depth	101.5 mm
Power consumption (standby)	1 W	Weight	475 g
Operating voltage	5 / 12 V	<b>Other features</b>	
<b>Operational conditions</b>		HDD transfer rate	300 Mbit/s
Operating temperature (T-T)	0 - 60 °C	Internal	✓
Storage temperature (T-T)	-40 - 70 °C	Drive device, transfer rate	250 MB/s
		Drive ready time	8 s

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