

Samsung SpinPoint F1 HD502HI internal hard drive 500 GB Serial ATA II



Brand : Samsung **Product family:** SpinPoint F1 **Product code:** HD502HI
Product name : HD502HI

HD502HI - SATA 500GB HD, 16MB Cache, 512 bytes

Samsung SpinPoint F1 HD502HI internal hard drive 500 GB Serial ATA II:

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

Samsung SpinPoint F1 HD502HI. HDD capacity: 500 GB, HDD speed: 5400 RPM

Features		Operational conditions	
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	350 G
Average latency	5.52 ms	Weight & dimensions	
Bytes per sector	512	Width	101.5 mm
Start/stop cycles	50000	Height	26.1 mm
Power		Depth	147 mm
Power consumption (standby)	1 W	Weight	470 g
Power consumption (off)	1 W	Other features	
Operational conditions		Dimensions (WxDxH)	101.5 x 147 x 26.1 mm
Operating temperature (T-T)	0 - 60 °C	Internal	✓
Storage temperature (T-T)	-40 - 70 °C	Maximum data transfer rate	300 Mbit/s
Operating relative humidity (H-H)	5 - 90%	Drive device, transfer rate	166 MB/s
		Drive ready time	10 s
		Card reader integrated	✗

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