



## Samsung Spinpoint F3 HE103SJ internal hard drive 3.5" 1.02 TB Serial ATA II



**Brand :** Samsung      **Product family:** Spinpoint F3      **Product code:** HE103SJ  
**Product name :** HE103SJ

SpinPoint F3 HE103SJ, Raid, 1TB, 7200rpm, SATA-II, 32MB cache

[Samsung Spinpoint F3 HE103SJ internal hard drive 3.5" 1.02 TB Serial ATA II:](#)

### Features

- MAX.500GB 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
- 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 HE103SJ. HDD size: 3.5", HDD capacity: 1.02 TB, HDD speed: 7200 RPM

Features		Operational conditions	
HDD size *	3.5"	Operating relative humidity (H-H)	5 - 90%
HDD capacity *	1.02 TB	Storage relative humidity (H-H)	5 - 95%
HDD speed *	7200 RPM	Operating altitude	305 - 3048 m
Interface *	Serial ATA II	Non-operating altitude	305 - 12192 m
Storage drive buffer size	32 MB	Operating shock	70 G
Average seek time	8.9 ms	<b>Weight &amp; dimensions</b>	
Average latency	4.14 ms	Width	101.5 mm
Bytes per sector	512	Height	26.1 mm
Start/stop cycles	50000	Depth	147 mm
Mean time between failures (MTBF)	1200000 h	Weight	625 g
Power		Other features	
Power consumption (standby)	1 W	HDD transfer rate	250 Mbit/s
Power consumption (read)	7.1 W	Power requirements	+12V±10%
Power consumption (write)	7.1 W	Dimensions (WxDxH)	101.5 x 147 x 26.1 mm
Power consumption (idle)	6.2 W	Internal	✓
Operating voltage	5 / 12 V	Maximum data transfer rate	300 Mbit/s
Start-up current	2.2 A	USB powered	✗
Operational conditions		Compliance industry standards	ATA S.M.A.R.T., RoHS
Operating temperature (T-T)	0 - 60 °C	Drive ready time	11 s
Storage temperature (T-T)	-40 - 70 °C	Supported HDD interfaces	Serial ATA, Serial ATA II

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