

Samsung Spinpoint P 40GB HDD 3.5" Serial ATA II

Brand : Samsung

Product family: Spinpoint P

Product code: HD040GJ

Product name : 40GB HDD



40GB Serial ATA II, 7200RPM HDD

Samsung Spinpoint P 40GB HDD 3.5" Serial ATA II:

Capture the best Quality in the World Market

Digital mobility with the most reliable 3.5" mobile hard disk drive.

Key features:

- Native Serial ATA II (3.0Gbps) with Native Command Queuing (NCQ).
- Fluid Dynamic Bearing Spindle Motor Technology.
- High Speed Dual Digital Signal Processor (DSP) Based Architecture.
- ATA SMART 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.
- ATA Power Up In Standby Feature Set.
- ATA Device Configuration Overlay Feature Set.
- Permuted RLL/ECC On-The-Fly Error Correction.
- RoHS-compliant.
- NoiseGuard™.
- SilentSeek™.
- Hot-Plug & Hot-Swap capable.

Samsung Spinpoint P 40GB HDD. HDD size: 3.5", HDD capacity: 40 GB, HDD speed: 7200 RPM

Features		Power	
HDD size *	3.5"	Operating voltage	5 / 12 V
HDD capacity *	40 GB	Operational conditions	
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	1.5 G
Track to track seek time	0.8 ms	Non-operating vibration	8 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
Mean time between failures (MTBF)	500000 h	Non-operating shock	350 G
Power		Weight & dimensions	
Power consumption (typical)	7.8 W	Width	101.6 mm
Power consumption (standby)	0.7 W	Height	25.4 mm
Power consumption (PowerSave)	0.7 W	Depth	146.1 mm
Power consumption (read)	8 W	Weight	648 g
Power consumption (write)	8 W	Other features	
Power consumption (idle)	6.8 W	Special features	RoHS NoiseGuard SilentSeek

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