

Samsung Spinpoint P 120GB Serial ATA Hard Drive 3.5" 80 GB

Brand : Samsung **Product family:** Spinpoint P **Product code:** SP1213C

Product name : 120GB Serial ATA Hard Drive

SP1213C - 120GB Serial ATA 1.0 3.5" 150MB/S 7200RPM 8MB

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The parallel interface, Ultra ATA, in most of today's desktop storage systems is now facing its limit. The Parallel ATA interface has been in use as the standard legacy storage device for individual users for over 17 years. Samsung has adopted the new interface, Serial ATA, and will continue to launch products with SATA interface for years to come.

- Formatted Capacity = 120GB.
- Serial ATA Interface.
- 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 Device Configuration Overlay Feature Set.
- Multi-Burst On-The-Fly Error Correction.
- NoiseGuard™.
- SilentSeek™.
- Hot-Plug & Hot-Swap capable.



Features		Operational conditions	
HDD size *	3.5"	Operating relative humidity (H-H)	5 - 90%
HDD capacity *	80 GB	Storage relative humidity (H-H)	5 - 95%
HDD speed *	7200 RPM	Operating altitude	-305 - 3050 m
Interface *	Serial ATA	Non-operating altitude	-305 - 12200 m
Storage drive buffer size	8 MB	Operating shock	63 G
Full stroke seek time	18 ms	Non-operating shock	350 G
Track to track seek time	0.8 ms	Weight & dimensions	
Average seek time	8.9 ms	Width	101.6 mm
Average latency	4.17 ms	Height	25.4 mm
Bytes per sector	512	Depth	146.1 mm
Start/stop cycles	50000	Weight	635 g
Mean time between failures (MTBF)	500000 h	Other features	
Power		Power requirements	5V±5% / 12V±10%
Power consumption (standby)	0.9 W	Acoustic pressure emissions	27 dB
Operating voltage	5 / 12 V	Internal	✓
Operational conditions		Drive device, transfer rate	150 MB/s
Operating temperature (T-T)	5 - 55 °C	Drive ready time	7 s
Storage temperature (T-T)	-40 - 70 °C		

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