

Seagate Desktop HDD ST320DM000 internal hard drive 3.5" 320 GB Serial ATA



Brand : Seagate

Product family: Desktop HDD **Product code:** ST320DM000

Product name : ST320DM000

320GB, 7200RPM, SATA, 16MB cache, 3.5", 0.4kg

[Seagate Desktop HDD ST320DM000 internal hard drive 3.5" 320 GB Serial ATA:](#)

These drives provide the following key features:

- 7200 RPM spindle speed;
- Seagate SmartAlign technology provides a simple, transparent migration to Advanced Format 4K sectors;
- High instantaneous (burst) data-transfer rates (up to 600MB per second);
- Perpendicular recording technology provides the drives with increased areal density;
- State-of-the-art cache and on-the-fly error-correction algorithms;
- Native Command Queueing with command ordering to increase performance in demanding applications;
- Full-track multiple-sector transfer capability without local processor intervention;
- Quiet operation;
- Compliant with RoHS requirements in China and Europe;
- SeaTools diagnostic software performs a drive self-test that eliminates unnecessary drive returns;
- Support for S.M.A.R.T. drive monitoring and reporting;
- Supports latching SATA cables and connectors;
- Worldwide Name (WWN) capability uniquely identifies the drive.

Features		Operational conditions	
HDD size *	3.5"	Storage relative humidity (H-H)	5 - 95%
HDD capacity *	320 GB	Operating vibration	0.5 G
HDD speed *	7200 RPM	Non-operating vibration	3 G
Interface *	Serial ATA	Operating altitude	-304.8 - 3048 m
Storage drive buffer size	16 MB	Non-operating altitude	-304.8 - 12192 m
HDD number of heads	2	Operating shock	70 G
Read seek time	8.5 ms	Non-operating shock	350 G
Write seek time	9.5 ms	Weight & dimensions	
Track to track seek time	1.2 ms	Width	101.6 mm
Average latency	4.16 ms	Height	20 mm
Bytes per sector	4096	Depth	147 mm
Start/stop cycles	50000	Weight	415 g
Power		Other features	
Operating voltage	5 / 12 V	Internal	✓
Start-up current	2 A	Data transfer rate	4.69 Gbit/s
Operational conditions		Recording density	1413 kbit/inch
Operating temperature (T-T)	0 - 60 °C	Track density	236 kt/in
Storage temperature (T-T)	-40 - 70 °C	Drive ready time	8.5 s
Operating relative humidity (H-H)	5 - 95%	Plug and Play	✓
		Disks included quantity	1 pc(s)

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