



Seagate Desktop HDD 1000GB 3.5" SATA II 3.5" 1.02 TB Serial ATA II



Brand : Seagate

Product family: Desktop HDD **Product code:** ST31000340NS

Product name : 1000GB 3.5" SATA II

Barracuda ES.2 1000GB 3.5" SATA II

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The Barracuda® ES2 drive is perfect for high-capacity, 7200-RPM nearline storage where dollars/GB and watts/GB are primary metrics. It offers energy-saving PowerTrim™ features, internal data integrity protection, superior rotational vibration tolerance and a SATA 3.0-Gb/s interface.

- Perpendicular recording technology for maximum capacity
- 24x7 operation and 1.2 M hrs. MTBF
- Dynamic power saving using Seagate PowerTrim™ technology
- Broad spectrum rotational vibration tolerance at 12.5 rads/s²
- Error recovery control - quick error resolution to prevent system timeouts
- Workload management to ensure operational reliability
- Quick and robust download with firmware security checks
- Write Same command for efficient RAID initialization
- Idle Read After Write data integrity checking
- Low total cost of ownership

Seagate Desktop HDD 1000GB 3.5" SATA II. HDD size: 3.5", HDD capacity: 1.02 TB, HDD speed: 7200 RPM

Features		Power	
HDD size *	3.5"	Power consumption (idle)	8 W
HDD capacity *	1.02 TB	Operating voltage	5 / 12 V
HDD speed *	7200 RPM	Operational conditions	
Interface *	Serial ATA II	Operating temperature (T-T)	0 - 60 °C
Type *	HDD	Storage temperature (T-T)	-40 - 70 °C
Storage drive buffer size	32 MB	Operating relative humidity (H-H)	5 - 90%
Read seek time	8.5 ms	Storage relative humidity (H-H)	5 - 95%
Write seek time	9.5 ms	Operating altitude	-60.96 - 3048 m
Track to track seek time	0.8 ms	Non-operating altitude	-60.96 - 12192 m
Average latency	4.16 ms	Operating shock	63 G
Bytes per sector	512	Non-operating shock	300 G
Mean time between failures (MTBF)	1200000 h	Weight & dimensions	
Windows operating systems supported	✓	Width	101.6 mm
Linux operating systems supported	✓	Height	26.1 mm
Power		Depth	147 mm
Power consumption (typical)	11.6 W	Weight	677 g
		Other features	
		Sustained data rate	105 MB/s

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