



Seagate Desktop HDD 500GB HDD SAS

Brand : Seagate

Product family: Desktop HDD

Product code: ST3500620SS

Product name : 500GB HDD



Barracuda ES.2 SAS 3.0-Gb/s 500-GB Hard Drive

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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.

Key Features and Benefits

- 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
- 16-MB cache
- Low total cost of ownership
- 5-year limited warranty

Features		Power	
HDD capacity *	500 GB	Power consumption (idle)	9 W
HDD speed *	7200 RPM	Start-up current	3 A
Interface *	SAS	Operational conditions	
Type *	HDD	Operating temperature (T-T)	5 - 55 °C
Component for *	Server/workstation	Storage temperature (T-T)	-40 - 70 °C
Storage drive buffer size	16 MB	Operating shock	63 G
Read seek time	8.5 ms	Non-operating shock	300 G
Write seek time	9.5 ms	Weight & dimensions	
Average latency	4.16 ms	Width	101.6 mm
Bytes per sector	512	Height	26.1 mm
Mean time between failures (MTBF)	1200000 h	Depth	147 mm
Power		Weight	543 g
Power consumption (typical)	12.5 W	Other features	
		Acoustic pressure emissions	0.25 dB

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