

Product Overview

Barracuda ES

The highest-capacity drives for the enterprise

750-, 500-, 400-, 320- and 250-GB capacities

Key Features and Benefits

- 750-GB capacity transforms storage systems with 50 percent more storage in a single drive.
- The industry's highest-reliability 7200-RPM drive, designed for 24x7 operation
- Serial ATA (SATA) interface
- Best-in-class rotational vibration tolerance delivers unrivalled performance in high-density systems.
- Multi-drive firmware maximizes system availability.

Best-Fit Applications

- Storage-hungry business applications
- Network attached storage (NAS)
- Maximum-capacity servers
- Rich media content storage—audio, video, image
- Reference and compliance data storage
- Enterprise backup and restore—D2D, virtual tape
- Collaboration—email, messaging
- Infrastructure—web, print, file
- Video surveillance



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Product Description

The Seagate® Barracuda® ES drive is a new family of high-capacity enterprise drives, providing 50 percent more storage space within the same system form factor than comparable drives. Barracuda ES drives leverage unparalleled Seagate enterprise technology to deliver the industry's highest 7200-RPM reliability for 24x7 business-critical applications. The Barracuda ES drive maximizes system availability and performance in high drive-count storage systems, thanks to enterprise multi-drive firmware features and best-in-class rotational vibration (RV) tolerance. These enhancements are critical when implementing dense storage solutions, especially in external storage environments (NAS, SAN or RAID systems) where a multitude of drives is often deployed.

The Seagate Advantage

- 750 GB provides 50 percent more capacity than competing SATA drives—enabling pioneering systems that scale to new levels of capacity and storage density.
- Highest-reliability 7200-RPM drive—24x7 enterprise reliability from a trusted source, backed by the Seagate 5-Year Warranty

- Best-in-class rotational vibration tolerance maintains performance in high-density environments, ideal for closely packed multi-drive system designs.
- The SATA line utilizes perpendicular recording technology to deliver the highest capacity and reliability.
- Seagate is the trusted leader in enterprise storage.

Enabling New Opportunities

- Seagate has applied its unparalleled enterprise technology and manufacturing expertise to deliver a 7200-RPM drive that meets the needs of 24x7, multi-drive, business-critical applications.
- Barracuda ES drives enable new solutions for 24x7 enterprise duty by delivering the world's highest reliability for 7200-RPM drives.
- With breakthrough capacity enabled by perpendicular recording technology, Barracuda ES drives provide 50 percent more capacity than any other drive in the industry. Greater capacity/ft³ ensures maximum cost-effectiveness for capacity-intensive storage applications.

Specifications	
Interface	SATA 3Gb/s
Capacity (GB)	750, 500, 400, 320, 250
Spindle Speed (RPM)	7200
Cache, Multisegmented (MB)	16, 8 (250-GB only)
Seek Time, Read/Write (average, msec)	8.5/9.5
Mean Time Between Failures (MTBF) (hours)	1.2 million
Reliability Rating at Full 24x7 Operation (AFR)	0.73%
Transfer Rate, Sustained (MB/s)	72 or 78 (750-GB only)
Power Consumption (W, idle)	9.3
Rotational Vibration (rad/sec ²)	12.5
Limited Warranty (years)	5

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