



Product Overview

Barracuda 7200.10

Experience the industry's proven flagship perpendicular 3.5-inch hard drive

The world's most proven and established desktop family, and the industry's first 3.5-inch hard drive to utilize perpendicular recording technology

Key Features and Benefits

- First 3.5-inch drive to utilize capacity- and reliability-boosting perpendicular recording technology
- First drive to reach 750 GB—a full year ahead of competition—enabling new solutions for data-intensive applications.
- Industry's most proven and established desktop hard drive available today—more than 16 million shipped to date*
- “One-stop shopping” with a broad range of capacity, cache and interface options for all your computing needs

Key Specifications

- Comprehensive family of capacities from 80 GB to 750 GB
- Interfaces: SATA 3Gb/s, SATA 1.5Gb/s, Parallel ATA/100
- 2-, 8- and 16-MB cache buffer options
- Maximum sustained data transfer rate: 78 MB/s
- Operating shock: up to 68 Gs

The Seagate Advantage

Seagate Barracuda 7200 drives, from the world's premier storage provider, deliver years of reliable service and high performance. The Barracuda 7200.10 drive offers an unmatched combination of reliability, performance and capacity. Available in a wide range of capacities and configurations, the Barracuda 7200.10 drive is the ideal choice for mainstream PCs, performance PCs, gaming and workstations, desktop RAID and personal external storage devices.

*16M Barracuda 7200.10 drives shipped as of 4/18/07



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Additional Features

- Best-in-class environmental specifications and reliability features
- Adaptive Fly Height offers consistent read/write performance from the beginning to the end of your computing workload.
- Clean Sweep automatically calibrates your drive.
- Enhanced G-Force Protection™ defends against handling damage.
- Seagate® SoftSonic™ motor enables whisper-quiet operation.

Advantages of Perpendicular Recording

After more than ten years of pioneering research at Seagate, perpendicular recording is now a proven technology. It increases capacity and dependability by storing data vertically, rather than horizontally. And vertically stored data bits mean increased data density—which means higher performance to increase productivity.

Specifications	
Capacity (GB)	80, 160, 250, 320, 400, 500, 750
Interface	Ultra ATA/100, SATA/150 (SATA 1.5Gb/s) or SATA/300 (SATA 3Gb/s) with NCQ (Native Command Queuing)
Cache (MB)	2, 8, 16
Spindle Speed (RPM)	7200
Shock, Operating (Gs)	up to 68
Shock, Nonoperating (Gs)	350 (320 GB and below) 300 (400, 500, 750 GB)
Acoustics, Idle (bels)	2.8 (750, 500 GB)—Performance Mode 2.7 (400 GB)—Performance Mode 2.7 (250 GB)—Quiet Mode 2.5 (320, 250 GB)—Performance Mode 2.8 (80, 160 GB)—Quiet Mode
Operating Temperature (°C)	0 to 60
Mean Time Between Failures (MTBF, hours)	700,000
Annualized Failure Rate (AFR)	0.34%

To Learn More:

Perpendicular Recording

The Barracuda 7200.10 drive is the first Seagate 3.5-inch desktop drive built on perpendicular technology, and the fifth Seagate perpendicular drive overall.

Applications

Your application needs determine the capacity, performance and interface requirements of your drive. The Barracuda 7200.10 drive offers multiple configurations for a wide range of uses.

Desktop and High-Performance PCs

- Gamer PCs
- Workstations
- High-end PCs
- Desktop RAID
- Mainstream PCs
- Point-of-sale devices/ATMs
- USB/FireWire/eSATA personal external storage

Market Opportunity

Capacity demands will continue to increase as storage needs proliferate, with increased demand coming from:

Consumer

- Digital photos, music and video
- Email
- Gaming

Business

- Email and other business data
- Record keeping
- Graphic editing and design
- CAD/CAM workstations
- Multimedia creation and presentation

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