

PRODUCT OVERVIEW

Barracuda 7200.9

High-capacity Ultra ATA and SATA technology drives

The leading combination of storage capacity, performance and reliability for personal computers and entry-level servers, including ATA-RAID and low-cost nearline storage solutions



KEY FEATURES AND BENEFITS

- Highest available capacity: Up to one-half terabyte (500 Gbytes), enabling OEMs and system builders to qualify one family of drives from a trusted supplier for a wide range of personal storage, entry-level servers and low-cost nearline storage solutions
- SATA 3Gb/s interface offers blazing fast 300-Mbytes/sec interface speed combined with Native Command Queuing (NCQ) for high performance and fast data transfer rates
- Additional SATA features such as hot plug, staggered spin-up, drive LED capable, backward compatible with SATA 1.5Gbs hosts, and compatible with new SATA ClickConnect connectors
- A proven design for shorter qualification times and top reliability
- Rugged drives with industry-leading operating and nonoperating shock specifications
- Unprecedented 5-year warranty

KEY SPECIFICATIONS

- Complete family of capacities up to 500 Gbytes
- 7200-RPM spin speed
- Cache memory available in 2-, 8-, and 16-Mbyte options (depending on capacity)
- SATA 3Gb/s interface with NCQ and many more SATA features
- Also available in ATA/100 interface options
- Best-in-class drive acoustics

THE SEAGATE ADVANTAGE

High-capacity Barracuda® 7200 disc drives, from the world's premier provider of high-capacity storage, provide our customers years of reliable service and high performance. Using advanced manufacturing techniques and extensive design experience, Seagate® engineers have built the world's only ninth-generation 7200-RPM desktop disc drive. In addition, Seagate SATA 3Gb/s Barracuda disc drives enable bigger profit margins for system builders with enhanced reliability, higher performance and innovative features.



“...we have been testing Barracuda SATA NCQ drives in various “real world” scenarios... these drives are almost identical in performance to the 10,000-RPM drives from their competition, yet the Seagate drives are quieter and much larger capacity and they cost less.”

— R. Sood, President, VoodooPC

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PRODUCT DESCRIPTION

Barracuda 7200.9 is the latest in the Seagate 3.5-inch family of high-capacity desktop drives targeted at mainstream and high-performance PCs and advanced storage applications. The product enables OEMs and system builders to qualify one family of drives from a premier provider for a wide range of storage applications.

SPECIFICATIONS

Capacity (Gbytes)	40, 80, 120, 160, 200, 250, 300, 400, 500
Interface	Ultra ATA/100 or SATA/300 (SATA 3Gb/s) with NCQ
Cache (Mbytes)	2, 8, 16
Average Seek (msec)	8.5
Spindle Speed (RPM)	7200
Shock, Operating (Gs)	63
Shock, Nonoperating (Gs)	300
Acoustics, Idle (bels)	2.8

APPLICATIONS

Seagate, the HDD category leader, offers the best combination of capacity, performance, technology and support to invigorate the mainstream and high-performance PC markets and enable advanced personal storage applications, including:

Business

- Regulatory compliance
- Extensive financial data
- Historical and real-time operations data

Health Care

- Health care records
- Digitized diagnostics
(X-rays, cat scans, MRIs, and so forth)

Media

- Digital video editing, distribution, archives
- Audio archives
- Photo and document archives
(libraries, new agencies, and so forth)
- Gaming PCs

Security

- Digital surveillance
- Digital security systems

ADDITIONAL FEATURES

- Native SATA interface at 3Gbs transfer rates also supports Native Command Queuing (NCQ) to get the most performance from PC technology, such as Intel Hyper-Threading.
- External eSATA solution that incorporates the Barracuda 7200.9 SATA 3Gb/s as blazing fast external storage for applications such as digital editing and content creation
- Seagate SoftSonic™ motor enables whisper-quiet operation.
- Enhanced G-Force Protection defends against handling damage.
- Advanced manufacturing and latest technology for the most reliable storage solutions ever
- The industry's most comprehensive compatibility and benchmark testing
- Unprecedented 5-year warranty

MARKET OPPORTUNITY

High-capacity demand will continue to increase as storage needs proliferate with increased demand coming from:

High-End Desktop PCs

- Hot rod gaming PCs
- Media PCs
- Consumer PCs
- High-performance PCs

Multiuser Systems

- Entry-level servers
- Office infrastructure servers
- Small group servers
- Backup/restore applications
- Archiving
- Low-cost nearline solutions

For more information, go to www.seagate.com

Storage Segments

Network Storage

Server Storage

High-Density Storage

Nearline Storage

Low-Cost Server

PC Commercial

PC Consumer

Notebook

Automotive

DVR

Gaming/Audio/Other

Government

Handheld

