

Product Overview

## Barracuda® 7200.11

**Proven technology and expert manufacturing deliver up to 1 TB of high-performing, eco-friendly desktop storage.**

**The eleventh generation of the award-winning Barracuda family offers the ideal combination of world-class technology, performance and eco-friendliness.**

### Key Features and Benefits

- Delivers the industry's highest capacity—up to 1 TB of storage (also 750, 640, 500 and 320 GB)
- Ships with the industry's most reliable and proven perpendicular magnetic recording (PMR) technology
- Delivers high performance
  - Up to 115-MB/s sustained data rate
  - 32-MB and 16-MB cache buffer
- Is environmentally friendly
  - Consumes up to 43 percent less power during idle than previous products, enabling customers to build low-power systems
  - Meets strict RoHS requirements
- Leverages best combination of technology (areal density, PMR) and proven components for volume availability
- Ships with an industry-best 5-year limited warranty

### Key Applications

- Workstations
- Desktop RAID
- Gamer PCs
- High-end PCs
- Mainstream PCs
- USB/FireWire/eSATA personal external storage



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## The Seagate Advantage

Seagate Barracuda 7200 drives, from the world's premier storage provider, deliver years of reliable service and high performance. The Barracuda 7200.11 drive offers an unmatched combination of reliability, performance and capacity, and is backed by a 5-year limited warranty. The Barracuda 7200.11 drive is the ideal choice for mainstream PCs, performance PCs, gaming and workstations, desktop RAID and external storage devices.

## 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 automatic drive calibration
- Enhanced G-Force Protection™ defends against handling damage.
- Seagate SoftSonic™ motor enables ultra-quiet operation.

## To Learn More:

### Perpendicular Recording

The Barracuda 7200.11 drive uses second-generation Seagate perpendicular magnetic recording technology to increase capacity and dependability by storing data bits vertically rather than horizontally.

## 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.

## The Eco-Friendly Choice

The Barracuda 7200.11 drive delivers up to 43 percent power savings over the previous Seagate desktop generation without sacrificing drive or system performance levels, giving customers the ability to manufacture eco-friendly PC systems and external storage systems that meet energy savings requirements.

Seagate hard drives have long been produced with the environment in mind, and not just with low power consumption. Like all other Seagate drives, the Barracuda 7200.11 product family complies with the Restriction of Hazardous Substance (RoHS) Directive—a regulation that limits the use of hazardous materials in electronic goods.

With Seagate and the Barracuda 7200.11 drive, our customers can have the best of both worlds—top hard-drive performance and the satisfaction of knowing they are using a high-capacity drive with a very small eco-footprint.

Specifications	
Capacity	1 TB, 750, 640, 500 and 320 GB
Interface	SATA 3Gb/s NCQ, SATA 1.5Gb/s NCQ
Cache (MB)	32 MB and 16 MB
Sustained Data Rate (MB/s)	Up to 115
Spindle Speed (RPM)	7200
Shock, Operating: 2 ms (Gs)	up to 65
Shock, Nonoperating: 1 ms (Gs)	up to 350
Acoustics, Idle (bels)	2.7 (1 TB, 750 GB and 640 GB) 2.5 (500 GB and 320 GB)
Acoustics, Seek (bels)	2.9 (1 TB and 750 GB) 2.8 (640 GB and 500 GB), 2.6 (320 GB)
Operating Temperature (°C)	0 to 60
MTBF (hours)	750,000
Annualized Failure Rate (AFR)	0.34%

[www.seagate.com](http://www.seagate.com)

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