

Product Overview

DiamondMax® 22

Capacity, reliability and value for mainstream applications

DiamondMax hard drives are an excellent solution for integrators and system builders.

Maxtor® DiamondMax 22 hard drives are an exciting addition to the Maxtor product lineup. Already established as an excellent value choice for entry and mainstream storage, DiamondMax 22 drives have increased the DiamondMax capacity range to 1 TB.

Higher capacities complement the value storage solutions offered by Maxtor DiamondMax 21 mainstream products.

These drives are intended for home and office PC applications that require a high-capacity hard drive with the latest interface technology, good performance and excellent reliability.

Key Advantages

- Support mainstream desktop PCs
- Capacities of 160 GB to 1 TB
- SATA 3Gb/s interface enables use of features such as Native Command Queuing
- 32-MB cache maximizes the performance of the SATA interface
- Robust design for system reliability and data protection
- 3-year limited warranty

Key Specifications

- High capacities: 1 TB and 750, 500, 320 and 160 GB
- SATA 3Gb/s interface with Native Command Queuing
- 7200-RPM spin speed
- 32-MB cache for performance on 1 TB, 750 GB and 500 GB
- 0°C to 60°C operating temperature for increased reliability



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Product Description

Maxtor DiamondMax 22 hard drives are the latest generation of Maxtor 3.5-inch 7200-RPM drives targeted at PCs and non-traditional ATA applications that require a value solution with solid performance and high capacity.

Combining capacity and performance, DiamondMax 22 drives offer Maxtor value with Seagate quality and reliability.

Best-Fit Applications

If you're building high-capacity SATA storage solutions, Maxtor DiamondMax 22 drives provide the right combination of capacity and performance with reliability and value.

- Home desktop PCs
- Business desktop PCs
- Non-traditional ATA storage applications
- External storage

Specifications

Capacity (GB)	1 TB and 750, 500, 320 and 160 GB
Interface	SATA 3Gb/s with NCQ
Cache (MB)	32, 16 or 8
Spindle Speed (RPM)	7200
Shock, Operating, 2 ms (Gs)	70
Shock, Nonoperating, 2 ms (Gs)	300

Additional Features

- Maxtor DiamondMax 22 drives with the SATA interface have the performance benefits of 3-Gb/s maximum data transfer rates.
- DiamondMax 22 drives use Seagate second-generation perpendicular magnetic recording technology to deliver 1 TB of storage.
- DiamondMax 22 drives support Native Command Queuing, in which the drive intelligently reorders the sequence in which commands are executed to maximize efficiency and performance.
- The robust design of DiamondMax 22 series drives ensures reliable operation.
- DiamondMax 22 drives conform to the requirements of the European Union Directive in Restriction of Hazardous Substances (RoHS).

Maxtor Brand and the Seagate Advantage

Maxtor products are part of the Seagate family of brands and products. Maxtor products are built and delivered using Seagate world-class manufacturing and operations. DiamondMax drives are based on Seagate technical and product design leadership.

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