

# Western Digital

## EIDE Hard Drives

The latest generation of Western Digital's award-winning WD Caviar Enhanced IDE (EIDE) hard drive family features new firmware innovations to achieve 60 GB per platter. Spinning up to 7200 RPM and offering capacities as large as 200 GB, the latest WD Caviar hard drives combine the high performance and increased areal density required by today's capacity-hungry users. Selected models are available with Fluid Dynamic Bearing (FDB) technology,\* perfect for noise-sensitive computing environments.



### DATA PROTECTION ENHANCEMENTS

Data Lifeguard™ is an expanded set of data protection tools that includes shock protection, an environmental protection system, and embedded error detection and repair features that automatically find, isolate, and repair problem areas that may develop over the extended use of the hard drive. With these enhanced data reliability features, the drive can perform more accurate monitoring and error repair and deliver exceptional data security.

Data Lifeguard Tools™ is a set of software utilities that work in conjunction with the embedded Data Lifeguard features to make hard drive installation, drive management diagnostics, and repair simple and worry-free.

Shock Guard™ provides outstanding improvements in shock and vibration protection for the newest WD Caviar drives. Shock Guard allows instantaneous data protection at high shock values to achieve leading shock specifications.

**IMPORTANT:** Use Data Lifeguard Tools 10.0 or later installation software to access the full capacity of your hard drive. Hard drives larger than 137 GB require a controller card to utilize full drive capacity.

### THE WESTERN DIGITAL PROMISE

Western Digital has earned a reputation as a company that understands the importance of the data stored on our hard drives. We are committed to protecting our customers' data with reliable, high-performance storage products and superior customer support and services.

\* Available by special order only.

#### INTERFACE

EIDE

#### WIDTH/HEIGHT

3.5-inch/1-inch

#### CAPACITY

20 to 200 GB

#### PART NUMBERS

WD200BB  
 WD400BB  
 WD600AB  
 WD600BB  
 WD800AB  
 WD800BB  
 WD1000BB  
 WD1200AB  
 WD1200BB  
 WD1200LB  
 WD1600BB  
 WD1800BB  
 WD1800LB  
 WD2000BB  
 WD2000LB

**Note:** All products may not be available in all regions of the world.

# Western Digital

## EIDE Hard Drives

WD Caviar



### WD Caviar Drive Specifications—7200 RPM

	20 GB	40 GB	60 GB	80 GB	100 GB	120 GB	160 GB	180 GB	200 GB
<b>Physical Specifications</b>									
Interface	EIDE	EIDE	EIDE	EIDE	EIDE	EIDE	EIDE	EIDE	EIDE
Form Factor	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch
Formatted Capacity <sup>1</sup>	20,020 MB	40,020 MB	60,022 MB	80,026 MB	100,030 MB	120,034 MB	160,041 MB	180,045 MB	200,049 MB
Actuator Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
	Voice Coil	Voice Coil	Voice Coil	Voice Coil	Voice Coil	Voice Coil	Voice Coil	Voice Coil	Voice Coil
Bytes per Sector (STD)	512	512	512	512	512	512	512	512	512
User Sectors per Drive	39,102,336	78,165,360	117,231,408	156,301,488	195,371,578	234,441,648	312,581,808	351,651,888	390,721,968
Model Number	WD200BB	WD400BB	WD600BB	WD800BB	WD1000BB	WD1200BB	WD1600BB	WD1800BB	WD2000BB
						WD1200LB		WD1800LB	WD2000LB

### Performance Specifications

Average Latency	4.2 ms	4.2 ms	4.2 ms	4.2 ms	4.2 ms	4.2 ms	4.2 ms	4.2 ms	4.2 ms
Rotational Speed	7200 RPM	7200 RPM	7200 RPM	7200 RPM	7200 RPM	7200 RPM	7200 RPM	7200 RPM	7200 RPM
Data Transfer Rate (Buffer to Host)									
- Mode 5 Ultra ATA <sup>2</sup>	100 MB/s	100 MB/s	100 MB/s	100 MB/s	100 MB/s	100 MB/s	100 MB/s	100 MB/s	100 MB/s
- Mode 4 Ultra ATA <sup>2</sup>	66.6 MB/s	66.6 MB/s	66.6 MB/s	66.6 MB/s	66.6 MB/s	66.6 MB/s	66.6 MB/s	66.6 MB/s	66.6 MB/s
- Mode 2 Ultra ATA <sup>2</sup>	33.3 MB/s	33.3 MB/s	33.3 MB/s	33.3 MB/s	33.3 MB/s	33.3 MB/s	33.3 MB/s	33.3 MB/s	33.3 MB/s
- Mode 2 DMA <sup>2</sup>	16.6 MB/s	16.6 MB/s	16.6 MB/s	16.6 MB/s	16.6 MB/s	16.6 MB/s	16.6 MB/s	16.6 MB/s	16.6 MB/s
- Mode 4 PIO <sup>2</sup>	16.6 MB/s	16.6 MB/s	16.6 MB/s	16.6 MB/s	16.6 MB/s	16.6 MB/s	16.6 MB/s	16.6 MB/s	16.6 MB/s
Buffer	2 MB	2 MB	2 MB	2 MB	2 MB	2 MB	2 MB	2 MB	2 MB
Warranty <sup>3</sup>	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year

### WD Caviar Drive Specifications—5400 RPM

	60 GB	80 GB	120 GB
<b>Physical Specifications</b>			
Interface	EIDE	EIDE	EIDE
Form Factor	3.5-inch	3.5-inch	3.5-inch
Formatted Capacity <sup>1</sup>	60,022 MB	80,026 MB	120,034 MB
Actuator Type	Rotary	Rotary	Rotary
	Voice Coil	Voice Coil	Voice Coil
Bytes per Sector (STD)	512	512	512
User Sectors per Drive	117,231,408	156,301,488	234,441,648
Model Number	WD600AB	WD800AB	WD1200AB

### Performance Specifications

Average Latency	5.0 ms	5.0 ms	5.0 ms
Rotational Speed	5400 RPM	5400 RPM	5400 RPM
Data Transfer Rate (Buffer to Host)			
- Mode 5 Ultra ATA <sup>2</sup>	100 MB/s	100 MB/s	100 MB/s
- Mode 4 Ultra ATA <sup>2</sup>	66.6 MB/s	66.6 MB/s	66.6 MB/s
- Mode 2 Ultra ATA <sup>2</sup>	33.3 MB/s	33.3 MB/s	33.3 MB/s
- Mode 2 DMA <sup>2</sup>	16.6 MB/s	16.6 MB/s	16.6 MB/s
- Mode 4 PIO <sup>2</sup>	16.6 MB/s	16.6 MB/s	16.6 MB/s
Buffer	2 MB	2 MB	2 MB
Warranty <sup>3</sup>	1 year	1 year	1 year



### For service and literature:

800.ASK.4WDC USA  
 +31.20.4467651 Europe  
 support.wdc.com  
 www.westerndigital.com

Western Digital, the Western Digital logo, and WD Caviar are registered trademarks and Data Lifeguard, Data Lifeguard Tools, Shock Guard, and FIT Lab are trademarks of Western Digital Technologies, Inc. Other marks may be mentioned herein that belong to other companies. Product specifications subject to change without notice.

© 2002 Western Digital Technologies, Inc. All rights reserved.

Western Digital  
 20511 Lake Forest Drive  
 Lake Forest, California 92630

2879-001021-035 S0825 10/02

<sup>1</sup> Western Digital defines a megabyte (MB) as 1,000,000 bytes, and a gigabyte (GB) as 1,000,000,000 bytes.

<sup>2</sup> Maximum burst rate running the specified PIO, DMA, or Ultra ATA transfer mode.

<sup>3</sup> One year standard warranty, unless otherwise required by law. For extended warranty information, visit our Web site at support.wdc.com.