

WD Caviar®



# Western Digital

## EIDE Hard Drives

### INTERFACE

EIDE

### WIDTH/HEIGHT

3.5-inch/1-inch

### CAPACITY

20 to 250 GB

### PART NUMBERS

WD200BB  
WD400BB  
WD600BB  
WD800BB  
WD1200BB  
WD1200LB  
WD1600BB  
WD2000BB  
WD2000LB  
WD2500BB  
WD2500LB

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

The latest generation of Western Digital's award-winning WD Caviar Enhanced IDE (EIDE) hard drive family features new firmware innovations to achieve 80 GB per platter. Spinning up to 7200 RPM and offering capacities as large as 250 GB, the latest WD Caviar hard drives combine the high performance and increased areal density required by today's capacity-hungry applications. 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 understands the importance of the data stored on our hard drives. We are committed to providing our customers with reliable, high-performance storage products and superior customer support and services.

*\* Available by special order only.*

WD Caviar



# Western Digital EIDE Hard Drives

## WD Caviar Drive Specifications—7200 RPM

	20 GB	40 GB	60 GB	80 GB	120 GB	160 GB	200 GB	250 GB
<b>Physical Specifications</b>								
Interface	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
Formatted Capacity <sup>1</sup>	20,020 MB	40,020 MB	60,022 MB	80,026 MB	120,034 MB	160,041 MB	200,049 MB	250,059 MB
Actuator Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
	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
User Sectors per Drive	39,102,336	78,165,360	117,231,408	156,301,488	234,441,648	312,581,808	390,721,968	488,397,168
Model Number	WD200BB	WD400BB	WD600BB	WD800BB	WD1200BB WD1200LB	WD1600BB	WD2000BB WD2000LB	WD2500BB WD2500LB
<b>Performance Specifications</b>								
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
Rotational Speed	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
- 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
- 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
- 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
- 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
Buffer	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



### 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.

© 2003 Western Digital Technologies, Inc. All rights reserved.

Western Digital  
20511 Lake Forest Drive  
Lake Forest, California 92630

2879-001021-038 S0825 05/03

<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.