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 40 GB per platter. Spinning up to 7200 RPM and offering capacities as large as 120 GB, the latest WD Caviar hard drives combine high performance and increased areal density necessary for today's capacity-hungry users.

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.

Data Lifeguard Lifeline™ enables quick customer notification in the event of critical issues that could affect your hard drive or data. Lifeline allows delivery of important improvements and upgrades to Western Digital products and is completely private; information is never sent to Western Digital.

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 2.8 or later installation software to access the full capacity of your hard drive.

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.

INTERFACE

EIDE

WIDTH/HEIGHT

3.5-inch/1-inch

CAPACITY

20 to 120 GB

PART NUMBERS

WD300AB
WD400AB
WD600AB
WD200BB
WD300BB
WD400BB
WD600BB
WD800BB
WD1000BB
WD1200BB

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

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WD Caviar

WD Caviar Drive Specifications—7200 RPM

	20 GB	30 GB	40 GB	60 GB	80 GB	100 GB	120 GB
Physical Specifications							
Interface	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
Formatted Capacity [1]	20,020 MB	30,020 MB	40,020 MB	60,022 MB	80,026 MB	100,030 MB	120,034 MB
Actuator Type	Rotary Voice Coil	Rotary Voice Coil	Rotary Voice Coil	Rotary Voice Coil	Rotary Voice Coil	Rotary Voice Coil	Rotary Voice Coil
Bytes per Sector (STD)	512	512	512	512	512	512	512
User Sectors per Drive	39,102,336	58,633,344	78,165,360	117,231,408	156,301,488	195,371,578	234,441,648
Model Number	WD200BB	WD300BB	WD400BB	WD600BB	WD800BB	WD1000BB	WD1200BB
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
Rotational Speed	7200 RPM	7200 RPM	7200 RPM	7200 RPM	7200 RPM	7200 RPM	7200 RPM
Data Transfer Rate (Buffer to Host)							
- Mode 5 Ultra ATA [2]	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 [2]	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 [2]	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 [2]	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 [2]	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
Warranty	3 years	3 years	3 years	3 years	3 years	3 years	3 years

WD Caviar Drive Specifications—5400 RPM

	30 GB	40 GB	60 GB
Physical Specifications			
Interface	EIDE	EIDE	EIDE
Form Factor	3.5-inch	3.5-inch	3.5-inch
Formatted Capacity [1]	30,020 MB	40,020 MB	60,022 MB
Actuator Type	Rotary Voice Coil	Rotary Voice Coil	Rotary Voice Coil
Bytes per Sector (STD)	512	512	512
User Sectors per Drive	58,633,344	78,165,360	117,231,408
Model Number	WD300AB	WD400AB	WD600AB
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 [2]	100 MB/s	100 MB/s	100 MB/s
- Mode 4 Ultra ATA [2]	66.6 MB/s	66.6 MB/s	66.6 MB/s
- Mode 2 Ultra ATA [2]	33.3 MB/s	33.3 MB/s	33.3 MB/s
- Mode 2 DMA [2]	16.6 MB/s	16.6 MB/s	16.6 MB/s
- Mode 4 PIO [2]	16.6 MB/s	16.6 MB/s	16.6 MB/s
Buffer	2 MB	2 MB	2 MB
Warranty	3 years	3 years	3 years

Designed for Microsoft® Windows® XP, 2000, ME, 98, Windows NT®

X Built for Mac OS X

Mac

WESTERN DIGITAL · FUNCTIONAL INTEGRITY · *Certified* F.I.T. · TESTING LAB

S·M·A·R·T SYSTEM COMPLIANT

[1] *Western Digital defines a megabyte (MB) as 1,000,000 bytes, and a gigabyte (GB) as 1,000,000,000 bytes.*
[2] *Maximum burst rate running the specified PIO, DMA, or Ultra ATA transfer mode.*

Western Digital®