

Western Digital

EIDE Hard Drives

With a full range of performance and capacity options, reliable, award-winning WD Caviar hard drives are the perfect solution for any desktop computing environment. WD Caviar EIDE hard drives offer rotational speeds of 7200 RPM or 5400 RPM and include the super fast Ultra ATA/66 interface, Data Lifeguard, low seek times, high capacity and up to 66.6 MB/s data transfer rates. All of which means you get top performance, industry-leading quality and value. No wonder WD Caviar is the “World’s Most Recommended Hard Drive.”



DATA LIFEGUARD™

The next generation in a series of Western Digital data protection innovations is incorporated into the latest enhancement of Data Lifeguard. The expanded set of data reliability features include shock protection, drive error diagnostics and correction utility, environmental protection system, and ECC (Error Correction Code). This means faster, more accurate monitoring and error repair plus exceptional data security. All of our EIDE hard drives include Data Lifeguard Tools, 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.

ULTRA ATA/66

Introduced first to the market by Western Digital, this hard drive interface transfers data at 66.6 MB per second. Ultra ATA/66 allows host computers to send and receive data at higher rates resulting in increased performance and data integrity. Ultra ATA/66 is also backward-compatible.

GMR HEAD TECHNOLOGY

As the demand for maximum storage capacity and greater reliability increases, drive head technology keeps pace with its latest advance-giant magnetoresistive (GMR) heads. These heads provide three times more areal density than anisotropic magnetoresistive heads (AMR), resulting in greater reliability, improved performance, and lower storage costs.

IMPORTANT: Use Data Lifeguard Tools 2.3 or later installation software to access the full capacity of your 32 GB and larger hard drives.

INTERFACE

EIDE

WIDTH/HEIGHT

3.5-inch/1-inch

CAPACITY

7.5 to 45.0 GB

PART NUMBERS

WD75AA
 WD84AA
 WD102AA
 WD102BA
 WD136AA
 WD136BA
 WD153AA
 WD153BA
 WD205AA
 WD205BA
 WD307AA
 WD450AA

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EIDE Hard Drives

WD Caviar™



WD Caviar Drive Specifications

| | 7.5 GB | 8.4 GB | 10.2 GB | 10.2 GB | 13.6 GB | 13.6 GB |
|---------------------------------|------------|------------|------------|------------|------------|------------|
| Physical Specifications | | | | | | |
| Interface | 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 |
| Formatted Capacity ¹ | 7540 MB | 8455 MB | 10,262 MB | 10,254 MB | 13,601 MB | 13,676 MB |
| Actuator Type | Voice Coil |
| Bytes per Sector (STD) | 512 | 512 | 512 | 512 | 512 | 512 |
| User Sectors per Drive | 14,726,880 | 16,514,064 | 20,044,080 | 20,028,960 | 26,564,832 | 26,712,000 |
| Model Numbers | WD75AA | WD84AA | WD102AA | WD102BA | WD136AA | WD136BA |

Performance Specifications

| | | | | | | |
|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Average Latency | 5.5 ms | 5.5 ms | 5.5 ms | 4.2 ms | 5.5 ms | 4.2 ms |
| Rotational Speed | 5400 RPM | 5400 RPM | 5400 RPM | 7200 RPM | 5400 RPM | 7200 RPM |
| Data Transfer Rate (Buffer to Host) | | | | | | |
| - Mode 4 Ultra ATA ² | 66.6 MB/s |
| - Mode 2 Ultra ATA ² | 33.3 MB/s |
| - Mode 2 DMA ² | 16.6 MB/s |
| - Mode 4 PIO ² | 16.6 MB/s |
| Buffer | 2 MB |
| Warranty | 3 years |

| | 15.3 GB | 15.3 GB | 20.5 GB | 20.5 GB | 30.7 GB | 45.0 GB |
|---------------------------------|------------|------------|------------|------------|------------|------------|
| Physical Specifications | | | | | | |
| Interface | 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 |
| Formatted Capacity ¹ | 15,393 MB | 15,382 MB | 20,520 MB | 20,525 MB | 30,758 MB | 45,020 MB |
| Actuator Type | Voice Coil |
| Bytes per Sector (STD) | 512 | 512 | 512 | 512 | 512 | 512 |
| User Sectors per Drive | 30,064,608 | 30,043,440 | 40,079,088 | 40,088,160 | 60,074,784 | 87,930,864 |
| Model Number | WD153AA | WD153BA | WD205AA | WD205BA | WD307AA | WD450AA |

Performance Specifications

| | | | | | | |
|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Average Latency | 5.5 ms | 4.2 ms | 5.5 ms | 4.2 ms | 5.5 ms | 5.5 ms |
| Rotational Speed | 5400 RPM | 7200 RPM | 5400 RPM | 7200 RPM | 5400 RPM | 5400 RPM |
| Data Transfer Rate (Buffer to Host) | | | | | | |
| - Mode 4 Ultra ATA ² | 66.6 MB/s |
| - Mode 2 Ultra ATA ² | 33.3 MB/s |
| - Mode 2 DMA ² | 16.6 MB/s |
| - Mode 4 PIO ² | 16.6 MB/s |
| Buffer | 2 MB |
| Warranty | 3 years |

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.



For service and literature:
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