Carrying on the heritage of WD Caviar SE hard drives as industry-leading performers, Western Digital offers WD Caviar SE Serial ATA (SATA) hard drives which feature capacities as large as 250 GB and an 8 MB buffer, to fill acute demand in market segments such as high-end PC, workstation, and entry-level servers. Designers of enterprise storage systems and servers are increasingly using desktop-class, large-capacity SATA hard drives because of the advantages provided by the SATA interface. Benefits include a data transfer rate of 150 M B/s and improved cabling that enables greater system design flexibility.

**Product Benefits**

- **8 MB cache** – fast data transfer from a cache four times larger than the industry-standard 2 MB size.
- **7200 RPM** – high-performance rotational speed for high-capacity hard drives.
- **Data Lifeguard Tools** – software utility that works in conjunction with the embedded Data Lifeguard™ features (including shock protection, an environmental protection system, and embedded error detection and repair features) to make hard drive installation, management, and diagnostics simple and worry-free.
- **SecureConnect™** – provides a 500 percent stronger cable-to-drive connection than first-generation SATA hard drives and cables; ensures backward compatibility with legacy SATA cables and backplanes.
  
  **Note:** Western Digital’s Serial ATA cable with SecureConnect is recommended for use with all Western Digital Serial ATA hard drives.
- **FlexPower™** – connector technology that accepts power from both industry-standard and new SATA power supplies.
- **Point-to-point bus configuration** – utilizes the full bandwidth of each drive interface in a networked environment.
- **Hot plug support** – allows swapping of hard drives without having to power down the system or reboot; promotes system design flexibility, data availability, and serviceability.
- **Backplane compatibility** – promotes expandability and flexibility in system architecture.

**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.
Physical Specifications

<table>
<thead>
<tr>
<th>Size</th>
<th>Model number</th>
<th>Interface</th>
<th>Form factor</th>
<th>Formatted capacity</th>
<th>User sectors per drive</th>
<th>Dedicated landing zone</th>
<th>Actuator latch/auto park</th>
<th>Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 GB</td>
<td>WD400JD</td>
<td>1.5 Gb/s (Serial ATA 1.0)</td>
<td>3.5-inch</td>
<td>40,020 MB</td>
<td>512</td>
<td>Yes</td>
<td>Yes</td>
<td>3-year</td>
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<tr>
<td>80 GB</td>
<td>WD800JD</td>
<td>1.5 Gb/s (Serial ATA 1.0)</td>
<td>3.5-inch</td>
<td>80,026 MB</td>
<td>512</td>
<td>Yes</td>
<td>Yes</td>
<td>3-year</td>
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<tr>
<td>120 GB</td>
<td>WD1200JD</td>
<td>1.5 Gb/s (Serial ATA 1.0)</td>
<td>3.5-inch</td>
<td>120,034 MB</td>
<td>512</td>
<td>Yes</td>
<td>Yes</td>
<td>3-year</td>
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<tr>
<td>160 GB</td>
<td>WD1600JD</td>
<td>1.5 Gb/s (Serial ATA 1.0)</td>
<td>3.5-inch</td>
<td>160,041 MB</td>
<td>512</td>
<td>Yes</td>
<td>Yes</td>
<td>3-year</td>
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<tr>
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<td>WD2000JD</td>
<td>1.5 Gb/s (Serial ATA 1.0)</td>
<td>3.5-inch</td>
<td>200,049 MB</td>
<td>512</td>
<td>Yes</td>
<td>Yes</td>
<td>3-year</td>
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<td>WD2500JD</td>
<td>1.5 Gb/s (Serial ATA 1.0)</td>
<td>3.5-inch</td>
<td>250,059 MB</td>
<td>512</td>
<td>Yes</td>
<td>Yes</td>
<td>3-year</td>
</tr>
</tbody>
</table>

Performance Specifications

- Buffer to host: 150 MB/s
- Buffer to disk: 748 M bits/s max
- Read seek: 8.9 ms (average)
- Track-to-track seek: 2.0 ms (average)
- Average latency: 4.2 ms
- Rotational speed: 7200 RPM
- Error rate (non-recoverable): <1 in 10^14 bits read

For service and literature:

Western Digital defines a megabyte (MB) as 1,000,000 bytes and a gigabyte (GB) as 1,000,000,000 bytes. Some operating systems use the binary numbering system which results in a lower reported capacity.

Three-year standard warranty on bulk WD Caviar SE Serial ATA hard drives. This standard warranty may be subject to variations imposed by local law or regulations.

Effective maximum transfer rate running Serial ATA 1.0.

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