Barracuda® ES.2
High-capacity, business-critical Tier 2 enterprise drives

1 TB, 750 GB, 500 GB and 250 GB • 7200 RPM • SATA 3Gb/s, SATA 1.5Gb/s and SAS 3Gb/s

Key Advantages
• 1-TB drive delivers 33 percent more capacity than the Barracuda ES drive.
• The industry’s highest-reliability 7200-RPM drive, designed for 24x7 operation
• Best-in-class rotational vibration tolerance ensures unrivalled performance in high spindle-density applications, and multi-drive firmware maximizes system availability.
• Seagate® PowerTrim™ technology dynamically optimizes power consumption by improving GB/watt by 55 percent and by reducing overall drive power consumption by 20 percent over prior-generation Barracuda ES drives.
• Choose SAS for the seamless Tier 2 enterprise experience, with improved data integrity and a 135 percent average performance boost over SATA. SAS also reduces integration complexity and optimizes system performance for rich media, reference data storage and enterprise backup applications.

Best-Fit Applications
• Storage-hungry business applications
• Network attached storage (NAS)
• Maximum-capacity servers
• Rich media content storage—audio, video, image
• Reference and compliance data storage
• Enterprise backup and restore—D2D, virtual tape
• Collaboration—email, messaging
• Infrastructure—Web, print, file
Seagate Makes the Best Even Better
With a 5-Year Limited Warranty

- 1-TB Seagate Barracuda ES.2 drive provides 33 percent more capacity than its predecessor.
- With a choice of either SATA or SAS interfaces, the Barracuda ES.2 drive utilizes perpendicular recording technology to deliver the industry’s highest-capacity 4-platter drive. SAS delivers up to a 38 percent IOPS/watt improvement over SATA.
- The best 7200-RPM reliability for 24x7 business-critical applications from a trusted source, backed by a 5-year limited warranty.
- Multi-drive firmware features and best-in-class rotational vibration (RV) tolerance maximizes system availability and performance in multi-drive systems. Seagate proprietary Workload Management technology helps systems keep drives cool.

Seagate Global Customer Support

- Get presales and technical support at support.seagate.com.
- Visit our knowledge base for answers to common support questions.
- Find documentation for current and legacy drives.
- Utilize our online troubleshooting and diagnostic tools.
- Download DiscWizard™ to help migrate data from an older drive.
- Seagate Design Service Centers (DSC) help companies transform innovative ideas into viable products.

www.seagate.com
1-800-SEAGATE (1-800-732-4283)

Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Interface</th>
<th>External Transfer Rate (Gb/s)</th>
<th>Performance</th>
<th>Spinless Speed (RPM)</th>
<th>Seek Time (ms)</th>
<th>Latency (msec)</th>
<th>Average Latency (msec)</th>
<th>Average Read/Write (msec)</th>
<th>Test Environment (°C)</th>
<th>Reliability/Data Integrity</th>
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<tbody>
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<td>SATA 3Gb/s, 1.5Gb/s</td>
<td>3.0</td>
<td>1287</td>
<td>8.5/9.5</td>
<td>5.9/7.6</td>
<td>12.5</td>
<td>8.5/9.5</td>
<td>8.5/9.5</td>
<td>5 to 55</td>
<td>0.73%</td>
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<td>5 to 55</td>
<td>0.73%</td>
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</table>

*One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to hard drive capacity.