Maximum Storage Capacity for Highest Rack Space Efficiency

- 10TB per drive\(^1\) for 25% more petabytes per rack\(^2\)
- Industry’s lowest power and weight for optimum data center TCO
- Highest 10TB HDD performance with enhanced caching, making it perfect for OLTP and HPC application
- Hyperscale SATA model tuned for large data transfers
- PowerBalance™ feature optimizes IOPS/Watt
- Advanced Write Caching feature for 20% boost in random write performance\(^2\)
- Forged, wrought-aluminum base and a helium sealed-drive design with no porosity and uniform density
- Superior material and weld-width design for a more robust, hermetically sealed-drive enclosure that protects from helium leaks
- Digital environmental sensors for measuring internal humidity, pressure and temperature, helping to ensure high reliability, performance and quality
- Latest hermetic interconnect technology supporting higher data rate heads and higher pin counts for extreme thermal conditions
- Proven enterprise-class reliability backed by 2.5M-hr MTBF

Best-Fit Applications

- Hyperscale applications/cloud data centers
- Massive scale-out data centers
- OLTP and HPC applications
- High-capacity density RAID storage
- Mainstream enterprise external storage arrays
- Distributed file systems, including Hadoop and Ceph
- Enterprise backup and restore—D2D, virtual tape
- Centralized surveillance

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\(^1\) Seagate recommends validating your configuration with your HBA/RAID controller manufacturer to ensure full capacity capabilities.

\(^2\) Compared to 8TB competitive product.
### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>ST10000NM0160</th>
<th>ST8000NM0088</th>
<th>ST8000NM2060</th>
<th>ST1000NM0196</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (TB)</td>
<td>10</td>
<td>8</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>Interface (Gb/s)</td>
<td>SATA 6Gb/s</td>
<td>SATA 6Gb/s</td>
<td>SATA 6Gb/s</td>
<td>SATA 6Gb/s</td>
</tr>
</tbody>
</table>

#### Trade Name Information

1. Invoice SPA required for all 8TB models and most SED and SED-FIPS models.
2. Self-Encrypting Drives (SED) and FIPS 140-2 Validated drives are not available in all models or countries. May require TCO-compliant host or controller support.
4. Supports Hotplug operation per Serial ATA Revision 2.6 specification.
5. These base deck dimensions conform to the Small Form Factor Standard (SFF-8301) found at www.sffcommittee.org. For connector-related dimensions, see SFF-8323.