* CAPACITY2TB
* SERIESBARRACUDA
* FORM FACTOR3.5 INCH
* RPM7200 RPM

**FEATURES**

**Versatile** HDDs for all your PC needs bring you industry-leading excellence in  
personal computing.

**For over 20 years** the BarraCuda family has delivered super-reliable storage for the  
hard drive industry.

**Capacity 2TB** for desktops, BarraCuda leads the market with the widest range  
of storage options available.

**Advanced Power** modes help save energy without sacrificing performance.

**SATA 6Gb/s** interface optimizes burst performance

**Seagate Secure** ®models provide Self-Encrypting Drive (SED) hardware-based data  
security and deliver an Instant Secure Erase feature for safe, fast and easy drive  
retirement. They meet NIST 800-88 media sanitization specifications and also support the Trusted Computer Group (TCG) Opal standard

**SPECIFICATIONS**

|  |  |
| --- | --- |
| Model | ST2000DM008 |
| Capacity | 2 TB |
| Bytes Per Sector | 4096 |
| Heads/Disks | 2/1 |
| **Performance** | |
| Interface | SATA 6Gb/s |
| SATA Transfer Rates Supported (Gb/s) | 6.0/3.0/1.5 |
| Max. Sustained Transfer Rate OD (MB/s) | 220MB/s |
| Cache | 256MB |
| **Reliability/Data Integrity** | |
| Load/Unload Cycles | 300,000 |
| Nonrecoverable Read Errors per Bits Read, Max | 1 per 10E14 |
| Power-On Hours per Year (24×7) | 2400 |
| Workload Rate Limit (TB/Year) | 55 |
| **Power Management** | |
| Startup Power (A) | 2.0 |
| Operating Mode, Typical (W) | 4.3 |
| Idle Average (W) | 3.0W |
| Standby Mode/Sleep Mode, Typical (W) | 0.3/0.3 |
| Voltage Tolerance, Inc. Noise (5V) | ±5% |
| Voltage Tolerance, Inc. Noise (12V) | ±10% |
| **Environmental/Temperature** | |
| Operating (ambient, min) | 0°C |
| Operating (drive case, max) | 60°C |
| Nonoperating (ambient) | -40°C – 70°C |
| Halogen Free | Yes |
| RoHS Compliance | Yes |
| **Physical** | |
| Height (mm/in, max) | 20.20mm/0.795in |
| Width (mm/in, max) | 101.85mm/4.010in |
| Depth (mm/in, max) | 146.99mm/5.787in |
| Warranty | 2 Years |
| Note | \*\*\*Features, Price and Specifications are subject to change without notice. |