**ComX Computers**
Product Specification Sheet

# ST8000DM004

Seagate Barracuda 8TB 3.5" SATA 6Gb/s Hard Disk Drive

## Product Overview

Seagate Barracuda 8TB 3.5" SATA 6Gb/s Hard Disk Drive, 190MB/s Maximum sustained transfer rate OD, 256MB Cache multi-segmented, ST8000DM004




## Specifications

**Overview:**

**HDD capacity. SSD Attitude.**

Coupled with Intel Optane memory, a revolutionary class of non-volatile memory, BarraCuda hard drives deliver it all.

- SSD-like performance and responsiveness
- Massive capacity
- Twice the speed of standard drives for boot and load applications
- Affordability with zero compromises

**Features:**

**3.5-Inch BarraCuda Hard Drives Deliver!**

Rock-solid reliability built on over 20 years of BarraCuda innovation. Versatile mix of capacity and price point options to fit any budget. Multi-Tier Caching Technology for excellent hard drive performance.

**Multi-Tier Caching Technology**

All hard drives in the BarraCuda family come equipped with Multi-Tier Caching Technology (MTC). MTC takes your PC to new performance levels, so you can load applications and files faster than ever before. By applying intelligent layers of NAND Flash, DRAM and media cache technologies, BarraCuda delivers improved read and write performance by optimising data flow.

**Specifications:**

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| Specifications | |
|---|---|
| **Product Code** | ST8000DM004 |

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| **Product Code** | ST8000DM004 |
| **Specifications** | 8 TB |
| **Standard Model Numbers** | ST8000DM004 |
| **Seagate Secure Model Numbers** | - |
| **Bytes per Sector** | 4096 |
| **Heads/Discs** | 8 / 4 |
| **Performance** | |
| **Interface** | SATA 6Gb/s |
| **SATA Transfer Rates Supported (Gb/s)** | 6.0/3.0/1.5 |
| **Max. Sustained Transfer Rate OD (MB/s)** | 190MB/s |
| **Cache, Multi-segmented (MB)** | 256 |
| **Reliability/Data Integrity** | |
| **Load/Unload Cycles** | 300000 |
| **Power-On Hours per Year (24x7)** | 2400 |
| **Workload Rate Limit (TB/Year)** | 55 |
| **Power Management** | |
| **Startup Power (A)** | 2 |
| **Operating Mode, Typical (W)** | 5.3 |
| **Idling Average (W)** | 3.4 W |
| **Standby Mode/Sleep Mode, Typical (W)** | 0.25/0.25 |
| **Voltage Tolerance, Inc. Noise (5 V)** | +/-5% |
| **Voltage Tolerance, Inc. Noise (12 V)** | +/-10% |
| **Environmental/Temperature** | |
| **Operating (ambient, min)** | 0 degreesC |
| **Operating (drive case, max)** | 60 degreesC |
| **Non-operating (ambient)** | -40 degreesC - 70 degreesC |
| **Halogen-free** | Yes |
| **RoHS compliance** | Yes |
| **Physical** | |
| **Height (mm/in, max)** | 26.11 mm/1.028 in |
| **Width (mm/in, max)** | 101.85 mm/4.01 in |
| **Depth (mm/in, max)** | 146.99 mm/5.787 in |
| **Weight (lb/g)** | 630 g/1.389 lb |

## Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

**Product page:**
**https://www.comx-computers.co.za/ST8000DM004-Seagate-Barracuda-8TB-3-5-SATA-6Gb-s-Hard-Disk-Drive-p-310959.php**

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