ComX Computers
Product Specification Sheet

ST2000DM001

Seagate Barracuda 2TB Hard Drive

Product Overview

Seagate Barracuda 2TB Hard Drive, NCQ, 7200 RPM, 64 MB Cache, SATAIII.



Specifications

Overview:

Combining state-of-the-art technology and industry-leading manufacturing expertise, the Seagate Barracuda 7200.12 drive-the 12th generation of this award-winning desktop hard drive family-delivers 320 GB of high-performing, eco-friendly digital storage. Designed with industry-leading acoustics and low power levels.

Features:

Barracuda hard drives give you what you want.

- Count on Barracuda drives to deliver the storage innovations that drive your costs down and your performance up.
- 7200 RPM performance-from 250GB all the way up to 3TB.
- OptiCache technology further exploits big 64MB cache sizes and improved micro processor capabilities.
- SATA 6Gb/s technology to further maximize performance.

Maximizes hard drive storage densities.

- Barracuda 2TB-per-disk technology incorporates 340,000 unique tracks in the width of a single inch. This incredible storage density drives new capacity possibilities and lowers your total storage costs.
- Seagate AcuTrac technology enables new storage densities with accurate reading and writing to nano-sized tracks that are only 75 nanometers wide! That's about 500 times smaller than the period at the end of this sentence.

Green where it counts.

- Barracuda 2TB-per-disk hard drives now have advanced power modes to save more energy while in idle states-without sacrificing performance.
- Barracuda desktop drives are produced using the most sophisticated manufacturing process in the industry, with a focus on environmental stewardship.
- Barracuda drives comply with the RoHS directive on hazardous materials and voluntarily restrict halogen compounds.
- 70% or more of the materials used to build Barracuda drives are recyclable.

- Low power consumption.

Your no-hassle transition to 4K sectors.

- Are you worried about moving to Advanced Format 4K sector technology? You don't have to be with Barracuda drives.
- Seagate SmartAlign technology makes this transition a snap:
- No utilities to run.
- No extra integration steps to take up your time.

Specifications:

Model Number	ST2000DM001
Interface	SATA 6Gb/s
Cache	64MB
Capacity	2TB
Areal density (avg)	625Gb/in2
Guaranteed Sectors	3, 907, 029, 168
PHYSICAL	
Height	26.1mm
Width	101.6mm
Length	146.99mm
Weight (typical)	626g
PERFORMANCE	
Spin Speed (RPM)	7200 RPM
Average latency	4.16ms
Random read seek time	< 8.5ms
Random write seek time	< 9.5ms
RELIABILITY	
Annual Failure Rate	< 1%
POWER	
Maximum start current, DC	2.0

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/ST2000DM001-Seagate-Barracuda-2TB-Hard-Drive-p-58588.php

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