

Western Digital 2TB SATA WD2003FYYS-02W0B1 hard drive

Operating System	(All)
Part No	1W5-438
Summary	Contains the specifications for the Western Digital 2TB SATA WD2003FYYS-02W0B1 hard drive.

:: Specifications

WD RE4-GP 2TB Enterprise hard drive

Performance specifications

- Rotational speed 7,200 RPM (nominal)
- Buffer size 64 MB
- Load/unload cycles 600,000 minimum

Transfer rates

- Buffer To Host (Serial ATA) 3 Gb/s (Max)

Physical specifications

- Formatted capacity 2,000,398 MB
- Capacity 2 TB
- Interface SATA 3 Gb/s
- User sectors per drive 3,907,029,168

Physical dimensions - English

- Height 1.028 Inches
- Depth 5.787 Inches
- Width 4.00 Inches
- Weight 1.66 Pounds

Physical dimensions - Metric

- Height 26.1 mm
- Depth 147 mm
- Width 101.6 mm
- Weight 0.75 kg

Environmental specifications

Shock

- Operating Shock (Read) 30G, 2 ms
- Non-operating Shock 300G, 2 ms

Acoustics

- Idle Mode 29 dBA (average)

- Seek Mode 0 34 dBA (average)
- Seek Mode 3 30 dBA (average)

Temperature (English)

- Operating 41° F to 131° F
- Non-operating -40° F to 158° F

Temperature (Metric)

- Operating 5° C to 55° C
- Non-operating -40° C to 70° C

Electrical specifications

Current requirements 12 VDC

- Read/Write 675 mA
- Idle 510 mA
- Standby 45 mA
- Sleep 45 mA

Current requirements 5 VDC

- Read/Write 525 mA
- Idle 405 mA
- Standby 185 mA
- Sleep 185 mA

Power dissipation

- Read/Write 10.70 Watts
- Idle 8.10 Watts
- Standby 1.50 Watts
- Sleep 1.50 Watts

As used for storage capacity, one megabyte (MB) = one million bytes, one gigabyte (GB) = one billion bytes and one terabyte (TB) = one trillion bytes.

Total accessible capacity varies depending on the operating environment.

As used for buffer or cache, one megabyte (MB) = 1,048,576 bytes.

As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, megabit per second (Mb/s) = one million bits per second and giga bit per second (Gb/s) = one billion bits per second.

:: **Documentation**

Manufacturer's website

<http://www.wdc.com/en/products/products.aspx?id=40>