**ComX Computers**
Product Specification Sheet

# WD1001FYYG

Western Digital 3.5" 1TB SAS 6GB/s Datacenter HDD

## Product Overview

Western Digital Re - 1.0TB 3.5" SAS 6.0Gbps Datacenter HDD, 7200RPM Spindle Speed, 32MB Cache, 128MB/s Host to/from (Sustained), Dual Port Processor, RAFF, TLER, StableTrack




## Specifications

**Features:**

**Industry's highest capacity nearline drive.**
WD RE SAS hard drives are available in capacities ranging from 1 TB to 4 TB to suit even the most demanding storage needs.

**Highest performance for business-critical applications.**
WD RE delivers 6 Gb/s transfer rates, sustained sequential data rates of up to 182 MB/s and high random I/O rates.

**Designed for quality and reliability.**
With a 1.4 million hour MTBF, this high performance drive delivers the highest level of reliability for 24x7 operation in up to 100% duty cycle applications.

**Dual port, full duplex connectivity.**
Offers higher reliability, performance and data availability by eliminating single points of failure, designed for leading business-critical Enterprise topologies.

**Environmentally conscious.**
In addition to being RoHS compliant, WD RE is built with halogen-reduced components.

**NoTouch ramp load technology.**
The recording head never touches the disk media ensuring significantly less wear to the recording head and media as well as better drive protection in transit.

**Dual stage actuator technology.**
A head positioning system with two actuators that improves positional accuracy over the data track(s). The primary actuator provides coarse displacement using conventional electromagnetic actuator principles. The secondary actuator uses piezoelectric motion to fine tune the head positioning to a higher degree of accuracy.

**RAFF**.
Enhanced RAFF technology includes sophisticated electronics to monitor the drive and correct both linear and rotational vibration in real time. The result is a significant performance improvement in high vibration environments over the previous generation of drives.

**RAID-specific, time-limited error recovery (TLER).**
Prevents drive fallout caused by the extended hard drive error-recovery processes common to desktop drives.

**Ultra compatible.**
An ultra-fast 6 Gb/s SAS interface enables easy integration into SAS storage subsystems while delivering twice the interface speed of traditional 3 Gb/s SAS nearline hard drives.

**The WD advantage.**
WD puts our products through extensive Functional Integrity Testing (F.I.T) prior to any product launch. This testing ensures our products consistently meet the highest quality and reliability standards of the WD brand. WD also has a detailed Knowledge Base with more than 1, 000 helpful articles as well as helpful software and utilities. Our customer support lines have longer operational hours to ensure you get the help you need when you need it. Our toll-free customer support lines are here to help or you can access our WD Support site for additional details.

**Ideal for:**
High-capacity data center storage, demanding high-performance computing, business-critical environments, storage area networks (SAN), network attached storage (NAS), direct attach storage (DAS), networked surveillance systems and cloud storage.

**Specifications:**

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|---|---|
| **Specifications** | |
| **Product Code** | WD1001FYYG |
| **Product Specifications** | |
| **Interface** | SAS 6 Gb/s |
| **Performance Specifications** | |
| **Rotational Speed** | 7, 200 RPM (nominal) |
| **Buffer Size** | 32 MB |
| **Load/unload Cycles** | 600, 000 minimum |
| **Transfer Rates** | |
| **Transfer Rate (Buffer To Disk)** | 170 MB/s (Sustained) |
| **Physical Specifications** | |
| **Capacity** | 1 TB |
| **User Sectors Per Drive** | 1, 953, 525, 168 |
| **Physical Dimensions** | |
| **Height** | 26.1 mm |
| **Depth** | 147 mm |

| | |
|---|---|
| **Width** | 101.6 mm |
| **Weight** | 0.75 kg |
| **Shock** | |
| **Operating Shock (Read)** | 65G, 2 ms |
| **Non-operating Shock** | 300G, 2 ms |
| **Acoustics** | |
| **Idle Mode** | 31 dBA (average) |
| **Seek Mode 0** | 34 dBA (average) |
| **Temperature** | |
| **Operating** | 5 degrees C to 55 degrees C |
| **Non-operating** | -40 degrees C to 70 degrees C |

## 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/WD1001FYYG-Western-Digital-3-5-1TB-SAS-6GB-s-Datacenter-HDD-p-119672.php**

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If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.