WD Gold WD203KRYZ (WD203KRYZ)

WD Gold WD203KRYZ - Hard drive - Enterprise - 20 TB - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 512 MB



The WD Gold 20 TB internal hard drive provides ample storage capacity for enterprise environments. Engineered for reliability, it features a spindle speed of 7200 rpm and an internal data rate of 285 MBps, ensuring efficient data management. The innovative HelioSeal technology promotes higher density storage, while the Rotational Vibration Safeguard helps maintain optimal performance in multi-drive systems. With a data transfer rate of 600 MBps, this hard drive is designed to handle demanding workloads effectively. This hard drive operates within a temperature range of 5°C to 60°C and has robust storage temperature capability of -40°C to 70°C, making it suitable for various operating environments. Its sound emission level is just 25 dBA, running quietly and enhancing the overall user experience. Coupled with a buffer size of 512 MB and a mean time between failures (MTBF) of 2,500,000 hours, the WD Gold hard drive delivers reliable performance for long-term data storage solutions.

Key Selling Points

20 TB capacity for extensive data storage
7200 rpm spindle speed for fast access and performance
Sound emission of 25 dBA for quiet operation
HelioSeal technology for enhanced storage density
Robust temperature tolerance from -40°C to 70°C

Product Features

Reliable performance
The WD Gold hard drive is engineered with advanced technology like Rotational Vibration Safeguard and OptiNAND technology to ensure data is stored safely and retrieved quickly, minimizing downtime.

Robust endurance
With a mean time between failures (MTBF) of 2,500,000 hours, this hard drive is built for longevity, making it suitable for high-demand enterprise applications.

Versatile temperature range
Designed to operate effectively in various temperatures, this hard drive functions efficiently anywhere from 5°C to 60°C, and can withstand storage temperatures ranging from -40°C to 70°C.

Energy efficient
Operating at 5.3 watts in active mode and 6.4 watts during idle, the WD Gold hard drive is designed to consume less power while delivering high performance.

High data transfer rates
With a data transfer rate of 600 MBps, this hard drive facilitates fast data access, which is critical for handling large files and demanding workloads in enterprise settings.

Main specifications

Product Description	*WD Gold WD203KRYZ - hard drive - Enterprise - 20 TB - SATA 6Gb/s*
Type	*Hard drive - internal*
Capacity	*20 TB*
Form Factor	*3.5"*
Interface	*SATA 6Gb/s*
Data Transfer Rate	*600 MBps*
Buffer Size	*512 MB*
Spindle Speed	*7200 rpm*
Drive Class	*Enterprise*
Features	*Advanced format 512e, OptiNAND technology, HelioSeal, Rotational Vibration Safeguard (RVS)*
Dimensions (WxDxH)	*101.6 mm x 147 mm x 26.1 mm*
Weight	*640 g*
Manufacturer Warranty	*5-year warranty*

Extended specification

General

Device Type	*Hard drive - internal*

Capacity	*20 TB*
Form Factor	*3.5"*
Interface	*SATA 6Gb/s*
Buffer Size	*512 MB*
Features	*Advanced format 512e, OptiNAND technology, HelioSeal, Rotational Vibration Safeguard (RVS)*
Width	*101.6 mm*
Depth	*147 mm*
Height	*26.1 mm*
Weight	*640 g*

Manufacturer Warranty

Service & Support	*Limited warranty - 5 years*

Miscellaneous

Compliant Standards	*RoHS 2011/65/EU, RoHS 2015/863/EU*

Power

Power Consumption	*6.4 watt (active) ¦ 5.3 watt (idle)*

Environmental Parameters

Min Operating Temperature	*5 °C*
Max Operating Temperature	*60 °C*
Min Storage Temperature	*-40 °C*
Max Storage Temperature	*70 °C*
Shock Tolerance (operating)	*65 g @ 2 ms half-sine wave*
Shock Tolerance (non-operating)	*300 g @ 2 ms half-sine wave*
Sound Emission	*25 dBA*

Performance

Drive Class	*Enterprise*
Drive Transfer Rate	*600 MBps (external)*
Internal Data Rate	*285 MBps*
Spindle Speed	*7200 rpm*

Reliability

MTBF	*2,500,000 hours*

Software & System Requirements

OS Required	*Linux, Microsoft Windows Server, Microsoft Windows*

Expansion & Connectivity

Interfaces	*1 x SATA 6 Gb/s*
Compatible Bay	*3.5"*

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