WD Gold WD122KRYZ (WD122KRYZ)

WD Gold WD122KRYZ - Hard drive - Enterprise - 12 TB - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 512 MB



The WD Gold 12 TB internal hard drive combines performance and reliability for enterprise environments. With a spindle speed of 7200 rpm, this drive offers a data transfer rate of up to 600 GBps and an internal data rate of 267 MBps, ensuring quick access to data when needed. Its 12 TB storage provides ample room for demanding applications, allowing businesses to store large amounts of data efficiently.Designed to withstand Safeguard (RVS) technology, which protects data integrity in multi-drive systems. It maintains a low sound emission level of 34 dBA, making it suitable for environments where noise is a concern. The device operates within a temperature range from 5°C to 60°C and boasts a Mean Time Between Failures (MTBF) of 2,000,000 hours.

Key Selling Points

12 TB capacity ideal for enterprise storage needs
7200 rpm spindle speed for high data performance
Rotational Vibration Safeguard technology enhances reliability
Low sound emission level of 34 dBA ensures quiet operation
Durable design with an MTBF of 2,000,000 hours

Product Features

Robust capacity
With a 12 TB storage capacity, this hard drive can accommodate extensive data requirements, making it suitable for enterprise-level applications and large data collections.

Efficient performance
Operating at a spindle speed of 7200 rpm, the WD Gold drive delivers efficient data retrieval and storage, reducing waiting times and enhancing overall productivity.

Enhanced reliability
Equipped with Rotational Vibration Safeguard technology, this hard drive minimizes data loss risks in environments with multiple drives, ensuring consistent performance.

Temperature resilience
The drive operates effectively in a temperature range from 5°C to 60°C, allowing for greater flexibility in various setups and environments.

Long-lasting durability
Designed for endurance, the hard drive features an MTBF of 2,000,000 hours, ensuring long-term reliability for critical data storage.

Main specifications

Product Description	*WD Gold WD122KRYZ - hard drive - Enterprise - 12 TB - SATA 6Gb/s*
Type	*Hard drive - internal*
Capacity	*12 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, Conventional magnetic recording (CMR), Rotational Vibration Safeguard (RVS)*
Dimensions (WxDxH)	*101.6 mm x 147 mm x 26.1 mm*
Weight	*660 g*
Manufacturer Warranty	*5-year warranty*

Extended specification

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)	*70 g @ 2 ms half-sine wave*
Shock Tolerance (non-operating)	*250 g @ 2 ms half-sine wave*
Sound Emission	*34 dBA*

General

Device Type	*Hard drive - internal*
Capacity	*12 TB*
Form Factor	*3.5"*
Interface	*SATA 6Gb/s*
Buffer Size	*512 MB*
Features	*Advanced format 512e, Conventional magnetic recording (CMR), Rotational Vibration Safeguard (RVS)*
Width	*101.6 mm*
Depth	*147 mm*
Height	*26.1 mm*
Weight	*660 g*

Performance

Drive Class	*Enterprise*
Drive Transfer Rate	*600 MBps (external)*
Internal Data Rate	*267 MBps*
Spindle Speed	*7200 rpm*

Reliability

MTBF	*2,000,000 hours*
Non-Recoverable Errors	*1 per 10^15*

Manufacturer Warranty

Service & Support	*Limited warranty - 5 years*

Expansion & Connectivity

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

Miscellaneous

Compliant Standards	*BSMI, ICES-003, NMB-003, FCC, KC, Maghreb, RCM, UKCA, VCCI, CB Scheme, TUV, UL*

Power

Power Consumption	*9.2 watt (active) ¦ 8.4 watt (idle)*

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