

WD Gold WD242KRYZ (WD242KRYZ)

WD Gold WD242KRYZ - Hard drive - Enterprise - 24 TB - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 512 MB



The WD Gold 24 TB internal hard drive is designed to meet the demands of enterprise environments, making it a reliable choice for data storage. With a robust capacity of 24 TB, it supports large-scale data applications. The drive operates at a spindle speed of 7200 rpm and offers a data transfer rate of 600 MBps, ensuring efficient data handling for high-performance tasks. Advanced technologies such as OptiNAND and ArmorCache enhance data integrity and speed, while the HelioSeal feature provides optimized performance in demanding conditions. Its vibration-resistant design ensures stability, even in multi-drive settings, making it suitable for various enterprise solutions. Operating within a temperature range of 5°C to 60°C, it ensures quiet operation in office spaces. Providing 512 MB of buffer size, along with advanced data management capabilities, the WD Gold hard drive delivers reliability and longevity, boasting a mean time between failures (MTBF) of 2,500,000 hours. This hard drive supports your enterprise needs securely and efficiently.

Key Selling Points

- Storage capacity of 24 TB for extensive data management
- Data transfer rate of 600 MBps for efficient operations
- Designed with OptiNAND and ArmorCache Technology for enhanced performance
- Vibration-resistant construction for reliability in multi-drive environments
- Temperature tolerance ranging from -40°C to 70°C for versatile usage

Product Features

- High capacity**
With a generous capacity of 24 TB, this hard drive provides ample space for storing large amounts of data, catering to enterprise-level storage needs.
- Efficient performance**
The drive features a spindle speed of 7200 rpm and a data transfer rate of 600 MBps, ensuring swift access and retrieval of essential files.
- Reliable technology**
HelioSeal and ArmorCache technologies enhance both performance and data integrity, allowing for efficient data management under heavy workloads.
- Robust construction**
Built to handle vibrations and shocks, this hard drive is designed for durability, providing reliability even in demanding conditions.
- Temperature resilience**
The operating temperature range from 5°C to 60°C, combined with a storage temperature tolerance of -40°C to 70°C, ensures functionality across diverse environments.

Main specifications

Product Description	WD Gold WD242KRYZ - hard drive - Enterprise - 24 TB - SATA 6Gb/s
Type	Hard drive - internal
Capacity	24 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	Conventional magnetic recording (CMR), OptiNAND technology, HelioSeal, ArmorCache Technology, advanced format 512e, vibration-resistant
Dimensions (WxDxH)	101.6 mm x 147 mm x 26.1 mm
Weight	670 g
Manufacturer Warranty	5-year warranty

Extended specification

General

Device Type	Hard drive - internal
Capacity	24 TB
Form Factor	3.5"

Interface	SATA 6Gb/s
Buffer Size	512 MB
Features	Conventional magnetic recording (CMR), OptiNAND technology, HelioSeal, ArmorCache Technology, advanced format 512e, vibration-resistant
Width	101.6 mm
Depth	147 mm
Height	26.1 mm
Weight	670 g

Manufacturer Warranty

Service & Support	Limited warranty - 5 years
-------------------	----------------------------

Miscellaneous

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

Power

Power Consumption	6.7 watt (active) ¦ 5.6 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)	40 g @ 2 ms half-sine wave
Shock Tolerance (non-operating)	200 g @ 2 ms half-sine wave
Sound Emission	25 dBA

Performance

Drive Class	Enterprise
Drive Transfer Rate	600 MBps (external)
Internal Data Rate	279 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"

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet