

WD Ultrastar DC HC330 WUS721010AL5204 (0B42258)

WD Ultrastar DC HC330 WUS721010AL5204 - Hard drive - encrypted - 10 TB - internal - 3.5" - SAS 12Gb/s - 7200 rpm - buffer: 256 MB



As the industry evolves to develop purpose-built solutions for growing data storage requirements, IT managers continue to rely on mid-range capacity drives that are economical to acquire, yet deliver quick and reliable data access for traditional data center applications. Designed to handle workloads up to 550TB per year, the Ultrastar DC HC300 series is a proven air-platform design that delivers up to the industry leading capacity to help address the economic and access-density requirements of many data center workloads. Ideal for storage and server applications, as well as distributed and scalable computing (including block and file storage architectures), the Ultrastar DC HC300 series provides fast 7,200 RPM spindle speeds.

Key Selling Points

- Higher capacity
- Process data quickly with sustained transfer rates up to 255 MB/s
- Reliable: enterprise-class 2M hours MTBF

Product Features

- Enhanced durability**
Designed for continuous operation and equipped with Rotational Vibration (RV) compensation technology, this hard drive ensures reliable performance in demanding environments. Its robust design supports up to 600,000 load/unload cycles, making it a durable choice for continuous use.
- High-capacity storage**
With a generous 10 TB capacity, this hard drive meets the needs of data-intensive applications, offering ample space for large datasets, high-resolution video content, and extensive software libraries.
- Efficient performance**
Featuring an impressive data transfer rate of 1.2 GBps and an internal data rate of 260 MBps, this hard drive delivers efficient performance for both read and write operations. Its advanced format 512e feature optimizes storage efficiency, making it an ideal solution for high-speed data access and storage consolidation.
- Secure data management**
The Secure Erase function provides an added layer of data security, allowing for the safe disposal or repurposing of the hard drive. Combined with hardware encryption, it ensures that sensitive information remains protected against unauthorized access.
- Energy-conscious operation**
This hard drive is designed with power efficiency in mind, consuming only 12.4 watts during typical operation and 9 watts while idle. This energy-conscious design helps reduce operational costs and supports environmentally friendly computing practices.

Main specifications

Product Description	WD Ultrastar DC HC330 WUS721010AL5204 - hard drive - 10 TB - SAS 12Gb/s
Type	Hard drive - internal
Capacity	10 TB
Hardware Encryption	Yes
Form Factor	3.5"
Interface	SAS 12Gb/s
Data Transfer Rate	1.2 GBps
Buffer Size	256 MB
Spindle Speed	7200 rpm
Features	Rotational Vibration (RV) compensation technology, Secure Erase function, advanced format 512e, 24x7 availability
Dimensions (WxDxH)	101.6 mm x 147 mm x 26.1 mm
Weight	750 g
Manufacturer Warranty	5-year warranty

Extended specification

General

Device Type	Hard drive - internal
Capacity	10 TB
Hardware Encryption	Yes
Form Factor	3.5"
Interface	SAS 12Gb/s
Buffer Size	256 MB
Bytes per Sector	512
Features	Rotational Vibration (RV) compensation technology, Secure Erase function, advanced format 512e, 24x7 availability
Width	101.6 mm
Depth	147 mm
Height	26.1 mm
Weight	750 g

Manufacturer Warranty

Service & Support	Limited warranty - 5 years
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Power

Power Consumption	12.4 watt (typical) 9 watt (idle)
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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
Vibration Tolerance (operating)	0.67 g @ 5-500 Hz
Vibration Tolerance (non-operating)	1.04 g @ 2-200 Hz

Performance

Drive Transfer Rate	1.2 GBps (external)
Internal Data Rate	260 MBps
Seek Time	8 ms (average)
Average Latency	4.16 ms
Spindle Speed	7200 rpm

Reliability

MTBF	2,000,000 hours
24x7 Operation	Yes
Non-Recoverable Errors	1 per 10 ¹⁵
Load / Unload Cycles	600,000

Expansion & Connectivity

Interfaces	1 x SAS 12 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