WD Ultrastar DC HC555 (0B48721)

WD Ultrastar DC HC555 - Hard drive - Data Centre - 14 TB - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 512 MB



The WD Ultrastar DC HC555 offers a substantial 14 TB of storage capacity, making it a suitable choice for data centers requiring reliable performance. With a spindle speed of 7200 rpm, this internal hard drive ensures quick data access and efficient operation, while the Serial ATA-600 interface supports rapid data transfer rates of up to 600 MBps. Designed with technologies such as HelioSeal, Dynamic fly height technology, and Energy-assisted PMR, this hard drive is built for 24x7 continuous operation and is capable of handling demanding workloads effortlessly. Operating in diverse environments, the WD Ultrastar DC HC555 is engineered to withstand temperatures ranging from 5°C to 60°C and storage conditions between -40°C and 70°C. With a Mean Time Between Failures (MTBF) of 2,500,000 hours and a non-recoverable error rate of just 1 per 10^15, this hard drive exemplifies reliability and durability, ideal for enterprise storage solutions. The additional features, such as the Rotational Vibration sensor and Triple State Actuator technology, enhance performance stability and ensure data integrity even in challenging conditions.

Key Selling Points

14 TB capacity for extensive storage needs
7200 rpm spindle speed for fast data retrieval
Supports up to 600 MBps data transfer rate
Designed for 24x7 continuous operation
Built with advanced technologies for reliability

Product Features

Robust capacity
With a 14 TB capacity, this hard drive is designed to accommodate large volumes of data, perfect for data centers and enterprise environments.

Efficient performance
The drive features a spindle speed of 7200 rpm and a data transfer rate of up to 600 MBps, ensuring rapid data access and enhanced overall efficiency.

Advanced technology
Incorporating HelioSeal technology and Energy-assisted PMR, the drive delivers performance while optimizing power consumption.

Impressive reliability
With a MTBF rating of 2,500,000 hours and minimal non-recoverable errors, this drive is engineered for long-lasting dependability in critical applications.

Durable design
Engineered to handle a wide temperature range and equipped with a Rotational Vibration sensor, this hard drive maintains performance stability in demanding environments.

Main specifications

Product Description	*WD Ultrastar DC HC555 - hard drive - Data Centre - 14 TB - SATA 6Gb/s*
Type	*Hard drive - internal*
Capacity	*14 TB*
Form Factor	*3.5"*
Interface	*SATA 6Gb/s*
Data Transfer Rate	*600 MBps*
Buffer Size	*512 MB*
Spindle Speed	*7200 rpm*
Drive Class	*Data Centre*
Features	*Advanced format 512e, advanced format 4Kn, 24x7 continuous operation, Triple State Actuator (TSA), Dynamic fly height technology, HelioSeal, Rotational Vibration (RV) sensor, Conventional magnetic recording (CMR), Energy-assisted PMR (ePMR)*
Dimensions (WxDxH)	*101.6 mm x 147 mm x 26.1 mm*
Weight	*690 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)	*50 g @ 2 ms half-sine wave*
Shock Tolerance (non-operating)	*250 g @ half-sine wave*
Vibration Tolerance (operating)	*0.67 g @ 5-500 Hz*
Vibration Tolerance (non-operating)	*1.04 g @ 2-200 Hz*
Sound Emission	*32 dBA*

General

Device Type	*Hard drive - internal*
Capacity	*14 TB*
Form Factor	*3.5"*
Interface	*SATA 6Gb/s*
Buffer Size	*512 MB*
Features	*Advanced format 512e, advanced format 4Kn, 24x7 continuous operation, Triple State Actuator (TSA), Dynamic fly height technology, HelioSeal, Rotational Vibration (RV) sensor, Conventional magnetic recording (CMR), Energy-assisted PMR (ePMR)*
Width	*101.6 mm*
Depth	*147 mm*
Height	*26.1 mm*
Weight	*690 g*

Performance

Drive Class	*Data Centre*
Drive Transfer Rate	*600 MBps (external)*
Internal Data Rate	*269 MBps*
Average Latency	*4.16 ms*
Spindle Speed	*7200 rpm*

Reliability

MTBF	*2,500,000 hours*
24x7 Operation	*Yes*
Non-Recoverable Errors	*1 per 10^15*
Load / Unload Cycles	*600,000*

Manufacturer Warranty

Service & Support	*Limited warranty - 5 years*

Expansion & Connectivity

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

Software & System Requirements

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

Miscellaneous

Compliant Standards	*BSMI, ICES-003, NMB-003, FCC, KC, Maghreb, RCM, UKCA, VCCI, CB Scheme, TUV, UL, Directive 2015/863, EU Directive 2011/65/EU*

Power

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

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