

WD Ultrastar DC HC555 (0B48722)

WD Ultrastar DC HC555 - Hard drive - Data Centre - 16 TB - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 512 MB



The WD Ultrastar DC HC555 is designed to meet the demands of modern data centers with a robust 16 TB storage capacity. Featuring a spindle speed of 7200 rpm and a data transfer rate of 600 MBps, it ensures efficient data management. Built for continuous use, this hard drive supports 24x7 operation, making it ideal for environments that require constant availability. With advanced technologies such as Dynamic fly height technology and a Rotational Vibration sensor, the WD Ultrastar DC HC555 maintains performance even in challenging conditions. Its reliable design includes features for minimizing errors, such as Non-Recoverable Errors rated at just 1 per 10¹⁵. This drive excels in storage and upholds compliance with several international standards, ensuring seamless integration into various setups while providing consistent performance.

Key Selling Points

- 16 TB capacity for ample storage
- Designed for 24x7 continuous operation
- Reliable performance with a 7200 rpm spindle speed
- Supports advanced format with improved data integrity
- High data transfer rate of 600 MBps

Product Features

- Reliable performance**
The WD Ultrastar DC HC555 features a low average latency of 4.16 ms, which contributes to efficient data retrieval capabilities. This ensures less waiting time for data access, enhancing overall system performance.
- Robust design**
Constructed with a shock tolerance of up to 250 g for non-operating conditions, the drive is engineered to withstand physical shocks. Its operating tolerance withstands shock acceleration of 50 g.
- Environmental durability**
Built to function in a wide range of temperatures, this hard drive operates effectively between 5°C and 60°C and can be stored in environments as cold as -40°C and as hot as 70°C, making it versatile for various conditions.
- Enhanced data protection**
Thanks to features like the Triple State Actuator and energy-assisted PMR, this drive minimizes data loss and maximizes read/write reliability. These technologies work in conjunction to ensure data integrity during operation.
- Energy efficiency**
With power consumption rates as low as 5.3 watts in idle mode, the WD Ultrastar DC HC555 is designed to operate efficiently, reducing energy costs while maintaining performance.

Main specifications

Product Description	WD Ultrastar DC HC555 - hard drive - Data Centre - 16 TB - SATA 6Gb/s
Type	Hard drive - internal
Capacity	16 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

General

Device Type	Hard drive - internal
Capacity	16 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

Manufacturer Warranty

Service & Support	Limited warranty - 5 years
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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
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Power

Power Consumption	6.4 watt (typical) 5.3 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)	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

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

Software & System Requirements

OS Required	Microsoft Windows, Linux, Microsoft Windows Server
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Expansion & Connectivity

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

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