

WD Ultrastar DC HA340 WUS721212BLE6L4 (0B47063)

WD Ultrastar DC HA340 WUS721212BLE6L4 - Hard drive - Data Centre - 12 TB - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 512 MB



The WD Ultrastar DC HA340 is designed for robust data center environments, providing a capacity of 12 TB to accommodate substantial storage needs. With a spindle speed of 7200 rpm and a data transfer rate of 600 MBps, this internal hard drive ensures rapid data access and reliability. Its features, such as Rotational Vibration Safeguard and shock sensors, promote consistent performance and durability, making it suitable for 24x7 continuous operation. This hard drive is built with a focus on resilience, featuring a MTBF of 2,000,000 hours and 600,000 load/unload cycles. Operating efficiently in a range of temperatures from 5°C to 60°C, it is engineered to handle the rigorous demands of data centers while minimizing sound emission at 34 dBA. The WD Ultrastar DC HA340 delivers an internal data rate of 267 MBps, coupled with Dynamic Fly Height Technology, enhancing reliability and performance in diverse operating conditions.

Key Selling Points

- 12 TB capacity for substantial storage needs
- Designed for 24x7 continuous operation
- Shock sensor and Rotational Vibration Safeguard for enhanced durability
- High data transfer rate of 600 MBps
- Mtbf of 2,000,000 hours for reliability

Product Features

- Reliable Performance**
A spindle speed of 7200 rpm combined with an average latency of 4.16 ms ensures fast and effective data retrieval, making it suitable for critical applications.
- Robust Durability**
Engineered with a MTBF of 2,000,000 hours and a capacity for 600,000 load/unload cycles, this hard drive stays reliable under demanding data center workloads.
- Efficient Operation**
With power consumption rates of 8.4 watts during operation and 9.2 watts in idle mode, the drive balances performance with energy efficiency.
- Protection Features**
Incorporated shock sensors and Rotational Vibration Safeguard add layers of protection against physical disturbances, enhancing data integrity.
- Broad Temperature Tolerance**
Operating in a temperature range from 5°C to 60°C, and a storage range from -40°C to 70°C, this hard drive is versatile for various environmental conditions.

Main specifications

Product Description	WD Ultrastar DC HA340 WUS721212BLE6L4 - hard drive - Data Centre - 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	Data Centre
Features	24x7 continuous operation, advanced format 512e, air-filled, Rotational Vibration Safeguard (RVS), Dynamic fly height technology, shock sensor, Conventional magnetic recording (CMR)
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
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Capacity	12 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Buffer Size	512 MB
Features	24x7 continuous operation, advanced format 512e, air-filled, Rotational Vibration Safeguard (RVS), Dynamic fly height technology, shock sensor, Conventional magnetic recording (CMR)
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	9.2 watt (operating) ¦ 8.4 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 @ half-sine wave
Vibration Tolerance (operating)	0.67 g @ 5-500 Hz
Vibration Tolerance (non-operating)	1.04 g @ 2-200 Hz
Sound Emission	34 dBA

Performance

Drive Class	Data Centre
Drive Transfer Rate	600 MBps (external)
Internal Data Rate	267 MBps
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

Software & System Requirements

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

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