



WD Ultrastar DC HC510 HUH721010ALE600

Hard drive - 10 TB - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 256 MB

Group	HDDs
Manufacturer	WD
Manufacturer item no.	0F27452
EAN/UPC	8717306635684

Description

Laying the foundation for a worry-free data center, Western Digital delivers an exceptional capacity hard drive for the enterprise - Ultrastar DC HC510, previously known as Ultrastar He10 and part of the HC500 series of helium-filled hard drives. Designed to handle workloads up to 550TB per year, the Ultrastar DC HC510 uses PMR technology and is the industry's first 10TB drive that is drop-in ready for any enterprise capacity application or environment. Based on field proven, third-generation HelioSeal technology, it offers one of the lowest power profiles in the industry to help data center architects meet eco-environmental goals and requirements. Targeted at 2.5M hours MTBF, the DC HC510 provides the highest reliability rating available of all HDDs on the market today by building on the successful design of its 8TB and 6TB predecessors. Trust Western Digital and Ultrastar DC HC510 to deliver more capacity, more efficiency, more reliability and more value to your data center.

Main features

Product Description	WD Ultrastar DC HC510 HUH721010ALE600 - hard drive - 10 TB - SATA 6Gb/s
Type	Hard drive - internal
Capacity	10 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Data Transfer Rate	600 MBps
Buffer Size	256 MB
Spindle Speed	7200 rpm
Features	Rotational Vibration Safeguard (RVS), Perpendicular Magnetic Recording (PMR), HelioSeal, TCOptimized, 24x7 continuous operation, Instant Secure Erase (ISE), Rebuild Assist mode, advanced format 512e, filled with Helium, Massive Scale Out (MSO)
Dimensions (WxDxH)	101.6 mm x 147 mm x 26.1 mm
Weight	660 g

Extended details

General	
Device Type	Hard drive - internal
Capacity	10 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Buffer Size	256 MB
Bytes per Sector	512
Features	Rotational Vibration Safeguard (RVS), Perpendicular Magnetic Recording (PMR), HelioSeal, TCOptimized, 24x7 continuous operation, Instant Secure Erase (ISE), Rebuild Assist mode, advanced format 512e, filled with Helium, Massive Scale Out (MSO)
Width	101.6 mm
Depth	147 mm
Height	26.1 mm
Weight	660 g
Performance	
Drive Transfer Rate	600 MBps (external)
Seek Time	8.6 ms (average)
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
Expansion & Connectivity	
Interfaces	1 x SATA 6 Gb/s - 7 pin Serial ATA
Compatible Bay	3.5"
Power	
Power Consumption	5 Watt (idle) 6.8 Watt (active)
Manufacturer Warranty	
Service & Support	Limited warranty - 5 years
Environmental Parameters	
Min Operating Temperature	5 °C
Max Operating Temperature	60 °C
Shock Tolerance (operating)	70 g @ 2 ms half-sine pulse
Shock Tolerance (non-operating)	300 g @ 2 ms half-sine pulse
Vibration Tolerance (operating)	0.67 g @ 5-500 Hz
Vibration Tolerance (non-operating)	1.04 g @ 2-200 Hz