

WD Ultrastar DC HC550 WUH721818ALE6L4

Hard drive - 18 TB - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 512 MB

Group	HDDs
Manufacturer	WD
Manufacturer item no.	0F38459
EAN/UPC	8717306633338



Description

The breadth and depth of Big Data is driving the universal need for higher capacities across a broad spectrum of applications and workloads. Laying the foundation for a worry-free data center, Western Digital delivers the capacity to conquer the data explosion with the Ultrastar DC HC500 series of hard disk drives (HDDs). The DC HC500 series is designed for public and private cloud environments where storage density and cost-efficient infrastructure is critical. The 18TB Ultrastar DC HC550 HDDs are the first commercial implementation of Energy-Assisted Magnetic Recording technology and utilize the industry's first Triple Stage Actuator. These technologies, integrated with HelioSeal on a 9-disk platform, deliver the highest areal density and unmatched Total Cost of Ownership for customer and market needs.

Main features

Product Description	WD Ultrastar DC HC550 WUH721818ALE6L4 - hard drive - 18 TB - SATA 6Gb/s
Type	Hard drive - internal
Capacity	18 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Data Transfer Rate	600 MBps
Buffer Size	512 MB
Spindle Speed	7200 rpm
Features	Rotational Vibration Safeguard (RVS), HelioSeal, Conventional magnetic recording (CMR), Media Cache Plus, Two-Dimensional Magnetic Recording (TDMR), Energy-Assisted Magnetic Recording (EAMR), Triple State Actuator (TSA)
Dimensions (WxDxH)	101.6 mm x 147 mm x 26.1 mm
Weight	690 g

Extended details

General	
Device Type	Hard drive - internal
Capacity	18 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Buffer Size	512 MB

Features	Rotational Vibration Safeguard (RVS), HelioSeal, Conventional magnetic recording (CMR), Media Cache Plus, Two-Dimensional Magnetic Recording (TDMR), Energy-Assisted Magnetic Recording (EAMR), Triple State Actuator (TSA)
Width	101.6 mm
Depth	147 mm
Height	26.1 mm
Weight	690 g
Performance	
Drive Transfer Rate	600 MBps (external)
Internal Data Rate	262 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
Expansion & Connectivity	
Interfaces	1 x SATA 6 Gb/s
Compatible Bay	3.5"
Power	
Power Consumption	6.5 Watt (typical) 5.6 Watt (idle)
Manufacturer Warranty	
Service & Support	Limited warranty - 5 years
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 @ 2 ms half-sine wave
Vibration Tolerance (operating)	0.67 g @ 5-500 Hz
Vibration Tolerance (non-operating)	1.04 g @ 2-200 Hz

