

Western Digital Ultrastar DC HC550



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Western Digital	

Ultrastar DC HC500 Series

High Capacity for Massive Data and Lower Total Cost of Ownership

Driving Up Capacity and Driving Down TCO for Cloud and Hyperscale Data Centers

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/16TB 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.

Solves TCO Challenges

- High Capacity

Up to 18TB HDDs, drop-in ready for Big Data workloads

- Low Power

Up to 61% lower idle W/TB than 10TB Ultrastar air-filled drives

- More Reliable

25% higher MTBF rating than air-filled HDDs

Continuous Innovation for Highest Capacities and Lower TCO

The Ultrastar DC HC550 18TB CMR HDD and Ultrastar DC HC650 20TB SMR HDD are delivering industry leading capacity for the data center through a combination of new and proven technologies.

Western Digital is the first to deliver Energy-Assisted Magnetic Recording (EAMR) technology and a Triple Stage Actuator (TSA). These new technologies combined with further mechanical innovations and HelioSeal technology provide the industry's highest capacities to enable data at scale with optimized TCO for data center architectures, while maintaining workload reliability and performance.

Zusammenfassung

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Western Digital Ultrastar DC HC550, 3.5", 18 TB, 7200 RPM

Western Digital Ultrastar DC HC550. HDD size: 3.5", HDD capacity: 18 TB, HDD speed: 7200 RPM

Merkmale

		Weight & dimensions	
Logistics data		Width	101.6 mm
Harmonized System (HS) code		Height	26.1 mm
84717050		Depth	147 mm
		Weight	690 g
Packaging data		Operational conditions	
Manual	Yes	Operating temperature (T-T)	5 - 60 °C
Quantity	1	Storage temperature (T-T)	-40 - 70 °C
Power		Operating vibration	0.67 G
Power consumption (read)	6.5 W	Non-operating vibration	1.04 G
Power consumption (write)	6.5 W	Operating shock	50 G
Power consumption (idle)	5.6 W	Non-operating shock	250 G
Operating voltage	5 / 12 V	Features	
		HDD size	3.5"
		HDD capacity	18 TB
		HDD speed	7200 RPM
		Interface	SAS
		Type	HDD
		Component for	Server/workstation

Storage drive buffer size	512 MB
HDD interface transfer rate	12 Gbit/s
Average latency	4.16 ms
24/7 operation	Yes
Start/stop cycles	600000
Workload rate limit	550 TB/year
Noise level (idle)	2 dB
Mean time between failures (MTBF)	2500000 h

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.