

# Western Digital Ultrastar DC HC560 internal hard drive

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Western Digital	

## 20TB capacity with a reimagined HDD

An innovative storage architecture to help our customers meet their need for exponential data growth.

### Reimagining the HDD for Exponential Data Growth

Hyperscale cloud, CSPs, enterprises, smart video surveillance partners, NAS suppliers and more need storage solutions to meet the exponential growth in data creation. When it comes to cost-effective storage of data at scale, hard disk drives (HDDs) continue to play a central role. HDDs deliver the capacity, performance and reliability needed to store vast amounts of data today and well into the future. Investments in HDD technology remain critical to supporting worldwide data growth.

Western Digital has developed flash-enhanced drives with OptiNAND™ technology by vertically integrating our leading NAND flash with our world-class HDDs. Western Digital HDDs have been leaders in areal density with industry first technologies of energy-assisted magnetic recording technology (EAMR), triple-stage actuator (TSA), HelioSeal®, and now OptiNAND technology. Higher areal density means higher capacities to meet storage challenges.

### 20TB1 HDDs with OptiNAND Technology

OptiNAND integrates an iNAND® Universal Flash Storage (UFS) Embedded Flash Drive (EFD) with traditional spinning disk media, and incorporates innovative changes to the firmware algorithm and system-on-a-chip (SoC). OptiNAND is not a hybrid technology. The drive works smarter, with enhanced firmware algorithms taking advantage of expanded metadata that has been offloaded to the iNAND, enabling more tracks per inch (TPI) with resulting increased areal density.

The Ultrastar DC HC560, with the first implementation of OptiNAND technology's capacity-enabling features, delivers an unbeaten 20TB capacity in a nine-disk platform (2.2TB/platter) with CMR recording format

## Zusammenfassung

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### 20TB capacity with a reimagined HDD

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Western Digital Ultrastar DC HC560, 20 TB, 7200 RPM, 512 MB, 3.5", Serial ATA

Western Digital Ultrastar DC HC560. HDD capacity: 20 TB, HDD speed: 7200 RPM, Storage drive buffer size: 512 MB, HDD size: 3.5", Interface: Serial ATA

Merkmale

Logistics data		Weight & dimensions	
Harmonized System (HS) code	84717050	Width	101.6 mm
		Height	147 mm
		Depth	26.2 mm
		Weight	690 g
Power		Operational conditions	
Operating voltage	5 / 12 V	Operating temperature (T-T)	5 - 60 °C
		Storage temperature (T-T)	-40 - 70 °C
		Operating vibration	0.7 G
		Non-operating vibration	1.04 G
		Operating shock	50 G
		Non-operating shock	250 G
Other features		Features	
Windows operating systems supported	Yes	HDD capacity	20 TB
Linux operating systems supported	Yes	HDD speed	7200 RPM
		Storage drive buffer size	512 MB
		HDD size	3.5"
		Interface	Serial ATA
		Type	HDD
		Component for	Server/workstation
		HDD interface transfer rate	6 Gbit/s
		HDD sustained transfer rate	257 MiB/s
		Average latency	4.16 ms
		Uncorrectable Bit Error Rate (UBER)	< 1 per 10^15 bits read
		24/7 operation	Yes
		Workload rate limit	550 TB/year
		Mean time between failures (MTBF)	2.5 h

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