



**HDD WESTERN
DIGITAL
ULTRASTAR
Ultrastar DC
HC570
WUH722222AL5201
22TB SAS 512
MB 7200 rpm
3,5 MTBF
2500000 hours
0F48051**



Model: 0F48051

Manufacturer: WESTERN DIGITAL

Product Code: 332615

R38,472

Grow your data, not your footprint

The explosive growth of data from AI/ML, 5G networks, IoT, connected vehicles, and more is fueling growth in data centers. HDD innovation drives the ability to capture, store, analyze, and protect

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much of this data. Higher-capacity HDDs deliver higher data density, enabling data center expansion and efficiency.

22TB to Fuel Data Center Expansion

The explosive growth of data from AI/ML, 5G networks, IoT, connected vehicles, and more is fueling growth in data centers. HDD innovation drives the ability to capture, store, analyze, and protect much of this data. Higher-capacity HDDs deliver higher data density, enabling data center expansion and efficiency.

The Ultrastar DC HC570 22TB1 data center HDD with OptiNAND™ technology is the next leap in data density. This 22TB data center HDD enables an incredible 22.44PB of raw storage in a typical rack3. This higher volumetric density allows data centers to maximize their storage, especially in footprint- and power-constrained environments.

The Ultrastar DC HC570 combines several industry-first technologies on a 10-disk CMR drive, delivering the performance, quality, and reliability that data center customers require.

Low Power for Lower Operating Costs

Ultrastar HDDs are designed for optimal power over a variety of workloads. The DC HC570 features low power sequential read/write and mixed random read/write workloads.

OptiNAND Technology Benefits

The Ultrastar DC HC570 is the 2nd-generation platform with OptiNAND technology, which integrates an iNAND® Universal Flash Storage (UFS) Embedded Flash Drive (EFD) with traditional spinning disk media.

Western Digital's 2.2TB/disk areal density leadership is extended to a new 10-disk platform, delivering 22TB capacity with CMR recording format. More disks and high areal density work together to maximize data storage efficiency.

OptiNAND improves drive resiliency in the event of an emergency power off (EPO) by increasing the amount of non-volatile memory (NVM) available to flush critical metadata to the iNAND.

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ArmorCache™ is a feature enabled by OptiNAND that combines the performance of write cache enabled (WCE) mode and the data protection of write cache disabled (WCD) mode, offering the best of both scenarios. When operating in WCE mode, ArmorCache ensures that the DRAM cache will be safely written in event of an EPO and no data is lost. When operating in WCD mode, the drive will ensure that all user data in DRAM is safely written upon EPO, and the drive will operate with WCE-equivalent performance. Performance and data protection are now identical across both WCE and WCD modes.

Trusted Reliability and Quality for Data at Scale

The Ultrastar DC HC570 meets modern data center reliability requirements with 2.5M MTBF2 (projected) and a 5-year limited warranty. It is performance-optimized for heavy application workloads and is designed to handle workloads up to 550TB per year. It offers security and encryption options to help protect data from unauthorized use, including SED models.

Trust Western Digital and the Ultrastar DC HC570 hard drive to deliver the highest capacity and greatest value for your data center.

- 22TB capacity in a standard 3.5-inch form factor
- OptiNAND technology for highest capacities, with ArmorCache™ providing enterprise power loss protection and increased performance
- Reliable, field-proven, 8th-generation HelioSeal® design
- Low power for common data center sequential and random read/write workloads
- Industry-leading HDD technologies: ePMR, triplestage actuator (TSA), HelioSeal
- Self-encrypting drive options

Summary: Western Digital Ultrastar DC HC570. HDD capacity: 22 TB, HDD speed: 7200 RPM, Storage drive buffer size: 512 MB, HDD size: 3.5", Interface: SAS | Vendor Homepage:

<https://www.westerndigital.com/products/internal-drives/data-center-drives/ultrastar-dc-hc570-hdd#0F48051> | HDD capacity: 22000 | HDD speed: 7200 | Storage drive buffer size: 512 | HDD size: 3.5 | Interface: SAS | Type: HDD | Component for: PC | HDD interface transfer rate: 1.2 | HDD sustained transfer rate: 277 | Average latency: 4.16 | 24/7 operation: Yes | Workload rate limit: 550 | Mean time between failures (MTBF): 2.5 | Power consumption (idle): 6 | Operating voltage: 5 / 12 | Operating temperature (T-T): 5 - 60 | Storage temperature (T-T): -40 - 70 | Operating vibration: 0.7 | Non-operating vibration: 1.04 | Operating shock: 40 | Non-operating shock: 200 | Width: 101.6 |

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Depth: 147 | Weight: 670 | Harmonized System (HS) code: 84717050 | Unit Calculated Weight: 0.8 |
Product Net Weight: 0.67 | Unit Calculated Volume: 0.00042 | Units per Shipping Box: 1 | Name: HDD
SAS 22TB 7200RPM 12GB/S/512MB DC HC570 0F48051 WD | HDD Family name: Ultrastar DC HC570
| Model name: WUH722222AL5201

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