

Item no.: 375630

0F30146 - 12 TB HDD, 3.5 Zoll, SATA

from **402,75 EUR**

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shipping weight: 0.10 kg
Manufacturer: Western Digital



Product Description

Increase capacity, reduce operating costs The Ultrastar DC HC500 series is designed for public and private clouds where storage density and cost-effective infrastructure are critical factors. Adding value to the data centre with capacity, energy efficiency and reliability Western Digital delivers capacity to handle the volume of data, providing the foundation for a reliable data centre: the Ultrastar® DC HC520, previously known as Ultrastar He12, from our helium-filled HC500 series. The Ultrastar DC HC520 is designed for workloads of up to 550 TB per year. It is the industry's first 12TB1 drive and utilises proven PMR (Perpendicular Magnetic Recording) technology to make it ready for any enterprise-capacity application or environment. The stable internal environment provided by fourth-generation HelioSeal® technology enables a new 8-disk design for 20% higher capacity compared to the 7-disk design of its predecessor, the Ultrastar DC HC510. This high capacity helium-filled HDD is one of the lowest power consuming drives to help your data centre meet its environmental goals and targets. The Ultrastar DC HC520 builds on the successful design of its 10TB, 8TB and 6TB predecessors and delivers an MTBF2 of 2.5 million hours, the best reliability rating of any HDD on the market. Western Digital's Ultrastar DC HC520 provides more storage capacity, efficiency, reliability and value for your data centre. HelioSeal technology overcomes challenges of new generation data centres Data centres are under increasing pressure. Data volumes and operating costs are rising while budgets remain constant. Reducing operating costs is the most important goal in data centre planning today, which is why the Ultrastar DC HC520 offers the best price/performance ratio and the highest storage efficiency. Compared to the air-filled Ultrastar 8TB HDDs, this HelioSeal drive offers 50% more capacity, 52% less energy consumption (watts/TB), 25% higher reliability and an MTBF of 2.5 million hours. Data centre features include a second-generation two-stage actuator - Western Digital's microactuator - that improves read/write head positioning accuracy. The result is high performance, data integrity and reliability, especially in environments with multiple hard drives and operational vibration. Read our technical overview to find out more. The choice between SATA (6 Gbit/s) and SAS interface (12 Gbit/s) allows easy integration into high-performance data centres. Technical data- Capacity 12 TB- Form factor 3.5-Inch- Interface SATA- Transfer Speed up to 255MB/s- Disk Speed (RPM) 7200 RPM- Recording Technology PMR- Cache Size 256MB- Security SE- Dimensions (L x W x H) 147mm x 101.6mm x 26.1mm- Weight 0.72kgs- Model Number 718037845470- Operating Temperature 5°C to 60°C- Non-Operating Temperature -40°C to 70°C- Certifications BSMI, ICES-003/NMB-003, CE, FCC, KC, Maghreb, RCM, UKCA, VCCI, CB-Scheme, TUV, UL Product features- 12 TB storage capacity in a standard 3.5-inch form factor- PMR technology is suitable for enterprise applications and environments of all sizes- Reliable and proven technology in the 4th product generation. Product generation- Outstanding energy efficiency (Watt/TB)- Compared to air-filled 8 TB Ultrastar hard drives: 50 % higher capacity 52 % higher performance efficiency (Watt/TB) 25 % higher reliability (MTBF)- SATA (6 Gbit/s) and SAS (12 Gbit/s) SAS (12 Gbit/s) compatible with new generation data centres; backwards compatible with SAS (6 Gbit/s)- 2.5 million hours MTBF- Options for Instant Secure Erase (ISE) and Self-Encrypting Drive (SED)- Advanced Format 4Kn and 512e models

Specifications

Scan this QR code to
view the product
All details, up-to-date
prices and availability

