Western Digital Ultrastar Red Pro internal hard drive

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Western Digital	

For the Demands of Big Business
Designed specifically with medium or large scale business customers in mind, WD Red™ Pro drives are available for up to 24-bay NAS systems. Engineered to handle high-intensity workloads1 in 24x7 environments, WD Red™ Pro is ideal for archiving and sharing, as well as RAID array rebuilding on extended operating systems such as ZFS or other file systems. These drives add value to your business by enabling your employees to quickly share their files and back-up folders reliably in your NAS solution.

Exclusive NASware™ 3.0 Technology
Our exclusive advanced firmware technology, NASware™ 3.0, enables seamless integration, robust data protection and optimal performance for NAS systems operating under heavy demand. Built into every WD Red™ Pro hard drive, NASware 3.0's advanced technology improves storage performance by increasing compatibility, integration, upgradeability, and reliability.

Built for Optimum NAS Compatibility
WD Red™ Pro drives with NASware™ technology takes the guesswork out of selecting a drive. Optimized for NAS systems, our unique algorithm balances performance and reliability in NAS and RAID environments. Simply put, a WD Red™ Pro drive is one of the most compatible drives available for NAS enclosures. But don't take our word for it. WD Red™ Pro drives are a reflection of extensive NAS partner technology engagement and compatibility-testing.

Larger NAS Bay Shock Protection
WD Red™ Pro drives are equipped with a multi-axis shock sensor that automatically detects subtle shock events and dynamic fly height technology which adjusts each read-write function to compensate and protect the data. This combination of technology further protects the drives in larger 24-bay NAS environments and helps increase hard drive reliability.

3D Active Balance Plus
Our enhanced dual-plane balance control technology significantly improves the overall drive performance and reliability. Hard drives that are not properly balanced may cause excessive vibration and noise in a multi-drive system, reduce the hard drive life span, and degrade the performance over time.

Error Recovery Prevention
Built specifically for RAID and NAS environments, WD Red™ Pro drives come equipped with error recovery controls as part of NASware™ 3.0 technology to help reduce drive fallout in RAID applications.

Extended Drive Testing
A NAS environment that has up to 24 bays is very demanding on a hard drive with added vibration and heat. This is why every WD Red™ Pro drive is shipped with extended thermal cycle burn-in testing to help ensure each drive is tested for extended reliable operation.

Desktop drives vs. WD Red™ Pro
Do right by your NAS and choose the drive purpose-built for NAS with an array of features to help preserve your data and maintain optimum performance. Take the following into consideration when choosing a hard drive for your NAS:

Zusammenfassung

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Western Digital Ultrastar Red Pro, 18 TB, 7200 RPM, 512 MB, 3.5", Serial ATA

Western Digital Ultrastar Red Pro. HDD capacity: 18 TB, HDD speed: 7200 RPM, Storage drive buffer size: 512 MB, HDD size: 3.5", Interface: Serial ATA

Merkmale

Logistics data

Harmonized System (HS) code	84717050

Weight & dimensions

Width	101.6 mm
Height	26.1 mm
Depth	147 mm
Weight	690 g

Other features

Compatible products	NAS

Features

HDD capacity	18 TB

Operational conditions

Operating temperature (T-T)	0 - 65 °C
Storage temperature (T-T)	-40 - 70 °C
Operating shock	30 G
Non-operating shock	250 G

HDD speed	7200 RPM
Storage drive buffer size	512 MB
HDD size	3.5"
Interface	Serial ATA
Type	HDD
Component for	NAS
HDD interface transfer rate	6 Gbit/s
24/7 operation	Yes