

WD Red Plus WD80EFPX - hard drive - 8 TB - SATA 6Gb/s(WD80EFPX)

WD Red Plus WD80EFPX - Hard drive - 8 TB - internal - 3.5" - SATA 6Gb/s - 5640 rpm - buffer: 256 MB



The WD Red Plus hard drive from Western Digital redefines storage with its 8 TB capacity and continuous operational capabilities, designed specifically for NAS systems. This internal hard drive integrates seamlessly into your home or small office network-attached storage setup, thanks to its NASware technology, which ensures improved reliability and performance. With a 256 MB buffer size and a data transfer rate of 600 MBps, it offers fast and efficient data processing, making it suitable for a wide range of applications.

Its robust design is tailored for continuous operation, boasting an MTBF of 1,000,000 hours to handle the demanding environments of NAS systems. The drive also features Advanced Format technology and Conventional Magnetic Recording (CMR) to provide high storage density and data integrity. Moreover, its energy-efficient design ensures low power consumption during read, write, and idle modes, making it a cost-effective solution for continuous usage. Whether for work or play, the WD Red Plus hard drive is a reliable storage solution that offers ample space, durability, and efficiency.

Key Selling Points

- 8 TB capacity meets the demands of data-intensive applications
- NASware technology enhances NAS system performance
- 256 MB buffer size for faster data processing
- Designed for continuous operation in challenging environments
- Energy-efficient design with low power consumption in idle mode

Product Features

- Enhanced durability**
Designed for continuous operation, the WD Red Plus hard drive has an impressive MTBF of 1,000,000 hours, ensuring reliability and durability for users who need high availability and consistent performance.
- Optimized for NAS**
Equipped with NASware technology, this hard drive offers seamless integration, robust data protection, and optimal performance in NAS and RAID environments, making it suitable for network-attached storage applications.
- High-capacity storage**
With an 8 TB capacity, this hard drive provides ample space for storing large volumes of data, making it suitable for data-intensive workloads in a home or small office NAS system.
- Efficient power consumption**
The WD Red Plus hard drive is engineered for efficiency, with a power consumption profile that minimizes energy use during read and write operations, contributing to lower operating costs.
- Advanced technology**
Featuring Advanced Format technology and Conventional Magnetic Recording (CMR), this hard drive delivers high data integrity and storage density, enhancing overall drive performance.

Main Specifications

Product Description	WD Red Plus WD80EFPX - hard drive - 8 TB - SATA 6Gb/s
Type	Hard drive - internal
Capacity	8 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Data Transfer Rate	600 MBps
Buffer Size	256 MB
Spindle Speed	5640 rpm
Features	Conventional magnetic recording (CMR), 24x7 continuous operation, NASware technology, Advanced Format technology, Dual-Plane Balance

Dimensions (WxDxH)	101.6 mm x 147 mm x 26.1 mm
Weight	715 g
Manufacturer Warranty	3-year warranty

Extended Specification

General

Device Type	Hard drive - internal
Capacity	8 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Buffer Size	256 MB
Features	Conventional magnetic recording (CMR), 24x7 continuous operation, NASware technology, Advanced Format technology, Dual-Plane Balance
Width	101.6 mm
Depth	147 mm
Height	26.1 mm
Weight	715 g

Manufacturer Warranty

Service & Support	Limited warranty - 3 years
-------------------	----------------------------

Miscellaneous

Compliant Standards	Directive 2011/65/EU, Directive 2015/863, BSMI, ICES-003, FCC, KC, Maghreb, RCM, UKCA, CB Scheme, TUV, UL
---------------------	---

Power

Power Consumption	5.2 Watt (read) 5.2 Watt (write) 3.1 Watt (idle) 0.3 Watt (sleep)
-------------------	---

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	65 °C
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Shock Tolerance (operating)	70 g @ 2 ms
Shock Tolerance (non-operating)	250 g @ 2 ms
Sound Emission	24 dBA

Performance

Drive Transfer Rate	600 MBps (external)
Internal Data Rate	215 MBps
Spindle Speed	5640 rpm

Reliability

MTBF	1,000,000 hours
24x7 Operation	Yes
Non-Recoverable Errors	1 per 10^14
Load / Unload Cycles	600,000

Expansion & Connectivity

Interfaces	1 x SATA 6 Gb/s
Compatible Bay	3.5"

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet