WD Red Plus (WD40EFZZ)

WD Red Plus - Hard drive - 4 TB - internal - 3.5" - SATA 6Gb/s - 5400 rpm - buffer: 128 MB



The WD Red Plus internal hard drive offers reliable storage with a capacity of 4 TB, designed for NAS systems. It features NASware technology and an innovative air drive design, ensuring performance and compatibility in various environments. It operates efficiently at a low sound emission of 27 dBA, providing a silent experience during data transfer operations. Built for continuous operation, the WD Red Plus functions 24/7, ideal for environments requiring constant accessibility. Its robust design withstands operational shocks of up to 70 g, ensuring data integrity in demanding situations. With a spindle speed of 5400 rpm and a data transfer rate of 600 MBps, this hard drive maintains performance while managing energy consumption effectively.

Key Selling Points

4 TB capacity for ample storage needs
Supports NAS compatibility for efficient data management
Quiet operation with a sound emission of 27 dBA
24/7 operation capability for constant accessibility
Features NASware technology and air drive design

Product Features

Efficient operation
Consumes only 2.9 watts in idle mode, promoting energy savings while maintaining performance efficiency.

Durable design
Built to last with a mean time between failures (MTBF) of 1,000,000 hours, ensuring a long lifespan.

Advanced technology
Incorporates advanced format technology and conventional magnetic recording for optimized performance and reliability.

Robust shock tolerance
Withstands operational shocks of up to 70 g, safeguarding data during unpredictable movements.

High data transfer rates
Achieves a data transfer rate of 600 MBps, facilitating quick access and retrieval of stored data.

Main specifications

Product Description	*WD Red Plus - hard drive - 4 TB - SATA 6Gb/s*
Type	*Hard drive - internal*
Capacity	*4 TB*
Form Factor	*3.5"*
Interface	*SATA 6Gb/s*
Data Transfer Rate	*600 MBps*
Buffer Size	*128 MB*
Spindle Speed	*5400 rpm*
Features	*Conventional magnetic recording (CMR), Air Drive Design, Advanced Format technology, NAS compatible, NASware technology*
Dimensions (WxDxH)	*101.6 mm x 147 mm x 26.1 mm*
Weight	*550 g*
Manufacturer Warranty	*3-year warranty*

Extended specification

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	*27 dBA*

General

Device Type	*Hard drive - internal*
Capacity	*4 TB*
Form Factor	*3.5"*
Interface	*SATA 6Gb/s*
Buffer Size	*128 MB*
Features	*Conventional magnetic recording (CMR), Air Drive Design, Advanced Format technology, NAS compatible, NASware technology*
Width	*101.6 mm*
Depth	*147 mm*
Height	*26.1 mm*
Weight	*550 g*

Reliability

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

Manufacturer Warranty

Service & Support	*Limited warranty - 3 years*

Performance

Drive Transfer Rate	*600 MBps (external)*
Internal Data Rate	*180 MBps*
Spindle Speed	*5400 rpm*

Expansion & Connectivity

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

Miscellaneous

Compliant Standards	*BSMI, ICES-003, NMB-003, FCC, KC, Maghreb, RCM, UKCA, VCCI, CB Scheme, TUV, UL, RoHS*

Power

Power Consumption	*4.5 watt (read) ¦ 4.5 watt (write) ¦ 2.9 watt (idle) ¦ 0.3 watt (sleep)*

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