

WD Red: NAS Hard Drive

WD Red is the only hard drive designed for NAS systems that have 1-5 drive bays. The drives are designed and extensively tested for compatibility in the unique 24x7 operating environment and demanding system requirements of home and small office NAS.

NAS compatibility

WD eliminates the confusion. WD Red is the only hard drive designed for NAS systems that have 1 to 5 drive bays. The drives are designed and extensively tested for compatibility in the unique 24x7 operating environment and demanding system requirements of home and small business NAS.

Enhanced reliability

With a 35% MTBF improvement over standard desktop drives, the WD Red drive is designed and manufactured to be a more reliable and robust solution.

The secret is in the technology—NASware

Advanced firmware technology built into every WD Red drive, enables seamless integration, robust data protection and optimal performance for systems operating in NAS and RAID environments.

Energy efficient

Innovative technology reduces power consumption and lowers the operating temperature, resulting in a more reliable and affordable solution for always on 24x7 NAS environments.

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.

Premium Support

Exclusively for WD Red drive customers, free dedicated 24x7 support line.

Detail Specifications

Interface

SATA 6 Gb/s

Formatted Capacity

2,000,398 MB

User Sector per Drive

3,907,029,168

Advanced Format (AF)

Yes

SATA Latching Connector

Yes

Form Factor

3.5 inch

RoHS Compliant

Yes

Performance

Data Transfer Rate:

-Buffer to Host (Max): 6Gb/s

-Host to/from Drive (Typical): 145Mb/s

Cache (MB): 64

Rotational Speed (RPM): IntelliPower

Reliability Data Integrity

Load/Unload Cycles: 600,000

Non-Recoverable Read Errors per Bits Read: <1 in 10

MTBF (Hours): 1,000,000

Power Management

12VDC (A, Peak): 1.73

Average Power Requirements (W):

-Read/Write: 4.4

Idle: 4.1

Standby: 0.6

Sleep: 0.6

Environmental Specifications

Temperature (C on the Base Casting):

-Operating: 0 to 70

-Non-Operating: -40 to 70

Shock (GS):

-Operating (2ms Read/Write): 30

-Operating (2ms Read): 65

-Non-Operating (1ms): 350

Average Acoustics:

-Idle Mode: 23

-Seek Mode: 24

Item Dimension (L"xW"xH")

5.79 x 4 x 1.03

Weight

1.61 lb

Warranty Information

3 Years