WD Red Plus WD120EFGX (WD120EFGX)

WD Red Plus WD120EFGX - Hard drive - 12 TB - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 512 MB



The WD Red Plus 12 TB internal hard drive is designed for NAS systems, providing reliability and performance for 24x7 continuous operation. With a capacity of 12 TB, this hard drive supports heavy workloads up to 180 TB per year, ensuring ample space for storing important data. The spindle speed of 7200 rpm combined with a data transfer rate of 600 MBps allows for quick access to files, making it suitable for personal and professional use.This hard drive features Native Command Queuing (NCQ) and advanced f enhancing the efficiency of data handling. It incorporates NASware technology, which optimizes the drive's performance in NAS environments. The drive operates quietly with a sound emission level of 39 dBA. Designed to withstand various environmental conditions, the WD Red Plus operates in temperatures ranging from 0°C to 65°C.

Key Selling Points

12 TB capacity for extensive data storage
Supports workloads up to 180 TB per year
Designed for 24x7 continuous operation
Features for optimized performance
Reliable with high shock and vibration tolerance

Product Features

Robust capacity
The 12 TB storage capacity offers space for data-intensive applications, making it suitable for NAS systems and home media servers.

Efficient performance
With a spindle speed of 7200 rpm and a data transfer rate of 600 MBps, this drive delivers quick access to files and efficient data management.

Advanced technology
Features such as Native Command Queuing (NCQ) and NASware technology enhance data handling and improve performance in storage environments.

Durable design
Built to endure demanding conditions, this hard drive can operate within a temperature range of 0°C to 65°C, making it suitable for diverse setups.

High reliability
With a mean time between failures (MTBF) of 1,000,000 hours, this hard drive ensures long-term data integrity and minimal downtime.

Main specifications

Product Description	*WD Red Plus WD120EFGX - hard drive - 12 TB - SATA 6Gb/s*
Type	*Hard drive - internal*
Capacity	*12 TB*
Form Factor	*3.5"*
Interface	*SATA 6Gb/s*
Data Transfer Rate	*600 MBps*
Buffer Size	*512 MB*
Spindle Speed	*7200 rpm*
Features	*Native Command Queuing (NCQ), Advanced Format technology, NASware technology, 3D Active Balance Plus, 24x7 continuous operation, Conventional magnetic recording (CMR), workload up to 180 TB per year*
Dimensions (WxDxH)	*101.6 mm x 147 mm x 26.1 mm*
Weight	*748 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	*39 dBA*

General

Device Type	*Hard drive - internal*
Capacity	*12 TB*
Form Factor	*3.5"*
Interface	*SATA 6Gb/s*
Buffer Size	*512 MB*
Features	*Native Command Queuing (NCQ), Advanced Format technology, NASware technology, 3D Active Balance Plus, 24x7 continuous operation, Conventional magnetic recording (CMR), workload up to 180 TB per year*
Width	*101.6 mm*
Depth	*147 mm*
Height	*26.1 mm*
Weight	*748 g*

Performance

Drive Transfer Rate	*600 MBps (external)*
Internal Data Rate	*260 MBps*
Spindle Speed	*7200 rpm*

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*

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*

Power

Power Consumption	*8.8 watt (read/write) ¦ 6.1 watt (idle) ¦ 0.3 watt (standby) ¦ 0.3 watt (sleep)*

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