WD Blue WD20EARZ (WD20EARZ)

WD Blue WD20EARZ - Hard drive - 2 TB - internal - 3.5" - SATA 6Gb/s - 5400 rpm - buffer: 64 MB



Reliable everyday computing. WD Blue internal hard drives deliver reliability for office and web applications. They are ideal for use as primary drives in desktop PCs and for office applications.

Key Selling Points

NoTouch Ramp Load technology
Low power consumption
Tested for compatibility
Upgrading your drive is easy
The Western Digital advantage

Product Features

NoTouch Ramp Load technology
The recording head never touches the disk media, ensuring significantly less wear to the recording head and media as well as better drive protection in transit.

Low power consumption
State-of-the-art seeking algorithms and advanced power management features ensure low power consumption

Tested for compatibility
Western Digital perform tests on hundreds of systems and a multitude of platforms in their FIT Lab to give their customers confidence that the drives will work in their systems.

Upgrading your drive is easy
Seamlessly migrate your current system to your new Western Digital drive using Acronis True Image WD Edition software, available as a free download on the Western Digital Support site. This software enables you to copy all your data to a new drive so you don't have to reinstall your operating system to get all the benefits of a new drive.

The Western Digital advantage
Western Digital puts their products through extensive Functional Integrity Testing (F.I.T.) prior to any product launch. On average, each product goes through 600,000 hours of testing. Western Digital also has a detailed Knowledge Base with more than 1,000 helpful articles. Recommended use - WD Desktop hard drives are tested and recommended for use in PCs, industrial applications and external enclosures.

Main specifications

Product Description	*WD Blue WD20EARZ - hard drive - 2 TB - SATA 6Gb/s*
Type	*Hard drive - internal*
Capacity	*2 TB*
Form Factor	*3.5"*
Interface	*SATA 6Gb/s*
Data Transfer Rate	*600 MBps*
Buffer Size	*64 MB*
Spindle Speed	*5400 rpm*
Features	*Conventional magnetic recording (CMR), low power consumption, NoTouch ramp load technology*
Dimensions (WxDxH)	*10.16 cm x 14.7 cm x 2.61 cm*
Weight	*450 g*

Extended specification

Environmental Parameters

Min Operating Temperature	*0 °C*
Max Operating Temperature	*60 °C*
Min Storage Temperature	*-40 °C*

Max Storage Temperature	*70 °C*
Shock Tolerance (operating)	*70 g @ 2 ms*
Shock Tolerance (non-operating)	*300 g @ 2 ms*

General

Device Type	*Hard drive - internal*
Capacity	*2 TB*
Form Factor	*3.5"*
Interface	*SATA 6Gb/s*
Buffer Size	*64 MB*
Features	*Conventional magnetic recording (CMR), low power consumption, NoTouch ramp load technology*
Width	*10.16 cm*
Depth	*14.7 cm*
Height	*2.61 cm*
Weight	*450 g*

Reliability

24x7 Operation	*Yes*
Non-Recoverable Errors	*1 per 10^14*
Load / Unload Cycles	*300,000*

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"*

Software & System Requirements

OS Required	*Microsoft Windows 7 / 8.1 / 10, Apple macOS High Sierra or later*

Miscellaneous

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

Power

Power Consumption	*4 watt (read/write) ¦ 2.4 watt (idle) ¦ 0.3 watt (sleep) ¦ 0.3 watt (standby)*

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