

Top 3 software to check the hard drive for the best bad

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Hard drive bad sector is the "horrible" error that any computer user does not want to make. When bad sectors on a hard drive, the high probability that we have to replace the drive, the data in the "bad" partition is also difficult to recover data.



Instead of worrying about your hard drive getting bad sectors, the following testing tools will help you feel more secure and find ways to prevent in case of errors.

1. CrystalDiskInfo

CrystalDiskInfo 8.5.2 x64

File Edit Function Theme Disk Help Language

Good 38 °C D: Good 40 °C C:

WDC WD2500AAKX-22ERMA0 250.0 GB

Health Status: **Good**

Temperature: **38 °C**

Firmware: 17.01H17 Buffer Size: 16384 KB
 Serial Number: WD-WCC2EMF75435
 Interface: Serial ATA
 Transfer Mode: SATA/600 | SATA/600 Power On Count: 3202 count
 Drive Letter: D: Power On Hours: 11971 hours
 Standard: ATA8-ACS | ----
 Features: S.M.A.R.T., NCQ

ID	Attribute Name	Current	Worst	Threshold	Raw Values
01	Read Error Rate	200	200	51	0000000002D
03	Spin-Up Time	145	143	21	000000000E7C
04	Start/Stop Count	97	97	0	000000000D43
05	Reallocated Sectors Count	200	200	140	000000000000
07	Seek Error Rate	200	200	0	000000000000
09	Power-On Hours	84	84	0	000000002EC3
0A	Spin Retry Count	100	100	0	000000000000
0B	Recalibration Retries	100	100	0	000000000000
0C	Power Cycle Count	97	97	0	000000000C82
0D	Power-off Retract Count	200	200	0	000000000138
C1	Load/Unload Cycle Count	199	199	0	000000000C0A
C2	Temperature	105	92	0	000000000026
C4	Reallocation Event Count	200	200	0	000000000000
C5	Current Pending Sector Count	200	200	0	000000000000
C6	Uncorrectable Sector Count	200	200	0	000000000000
C7	UltraDMA CRC Error Count	200	200	0	000000000000
C8	Write Error Rate	200	200	0	000000000000

CrystalDiskInfo is a quick and easy hard drive information checker with parameters listed right below the software. For non-professional users, we can identify the status of the hard drive immediately by **Good** or **Bad** indicator button in **Health Status** section on the left. In addition, you can also check the temperature on the hard drive quickly with the built-in **Temperature** feature just below the status of the hard drive (**Health Status**).

CrystalDiskInfo download link at <https://crystalmark.info/en/download/#CrystalDiskInfo>

2. HDDScan




HDDScan is a free tool that helps you check the status of your hard drive quickly and accurately. To check hard drive information, you just need to open **HDDScan** and select **SMART** to check the status of the hard drive, and if you want to test the hard drive, the **Read and Write Tests** feature will help you check the read and write speed of the hard drive. objectively and quickly.

When you click on the **SMART** section , information about your hard drive will be displayed in detail as shown below.

S.M.A.R.T. attributes for WDC WD2500AAKX-22ERMA0

Save to File Print

HDDScan S.M.A.R.T. Report



State: ●
 Model: WDC WD2500AAKX-22ERMA0
 Firmware: 17.01H17
 Serial: WD-WCC2EMF75435
 LBA: 488397168 (250 GB)

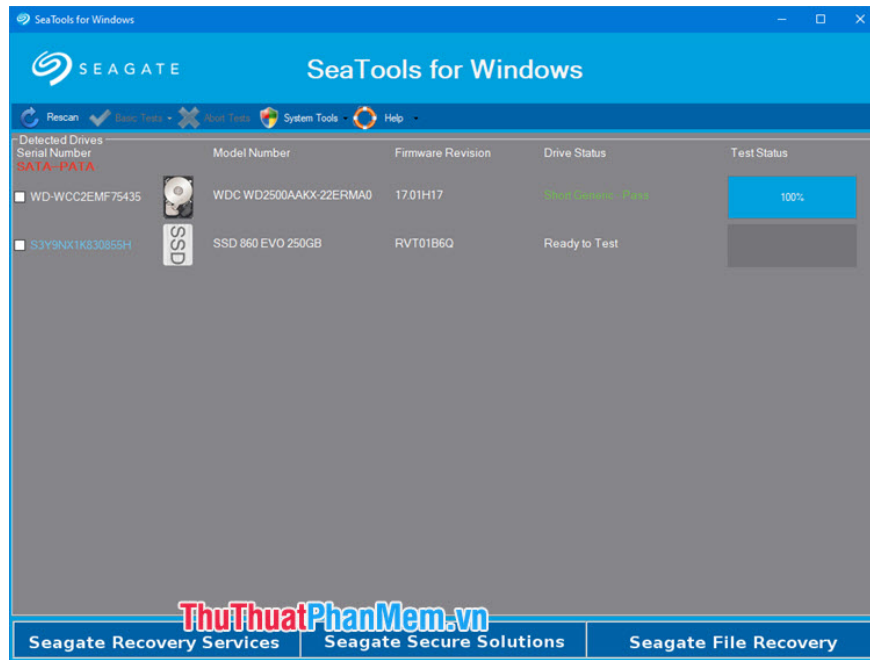
Report By: HDDSCAN v4.1
 Report Date: 2020-05-14 14:05:37

Num	Attribute Name	Value	Worst	Raw(hex)	Threshold
● 001	Raw Read Error Rate	200	200	0000000000-002D	051
● 003	Spin Up Time	145	143	0000000000-0E7C	021
● 004	Start/Stop Count	097	097	0000000000-0D43	000
● 005	Reallocation Sector Count	200	200	0000000000-0000	140
● 007	Seek Error Rate	200	200	0000000000-0000	000
● 009	Power-On Hours Count	084	084	0000000000-2EC4	000
● 010	Spin Retry Count	100	100	0000000000-0000	000
● 011	Recalibration Retries	100	100	0000000000-0000	000
● 012	Device Power Cycle Count	097	097	0000000000-0C82	000
● 192	Emergency Retract Count	200	200	0000000000-0138	000
● 193	Load/unload Cycle Count	199	199	0000000000-0C0A	000
● 194	HDA Temperature	104	092	39 C	000
● 196	Reallocation Event Count	200	200	0000000000-0000	000
● 197	Current Pending Errors Count	200	200	0000000000-0000	000
● 198	Uncorrectable Errors Count	200	200	0000000000-0000	000
● 199	UltraDMA CRC Errors	200	200	0000000000-0000	000
● 200	Multi Zone Error Rate	200	200	0000000000-0000	000

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Link to download HDDScan software at <https://hddscan.com/>

3. SeaTools



SeaTools is a tool from the famous hard drive manufacturer Seagate. With the **SeaTools** for Windows tool , users can check the status of your hard drive with the SMART feature or use advanced tests in **SeaTools** to evaluate the performance on your hard drive.

Download software link at <https://www.seagate.com/as/en/support/downloads/seatools/>

With modern and fast hard drive testing tools, we can identify the status of the hard drive and conduct replacement and data backup in time. Good luck!

You finished reading the article "**Top 3 software to check the hard drive for the best bad**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.