
Test disk fake - Flash disk test - heise.de - H2testw 1.4

Autor:

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The stick, you just want to save the data, really heal? That comes into the aging system really cope with large hard drives? To clarify this, and the integrity of data carriers, c't has developed the small program H2testw. It describes the selected disk with test data, it then reads back and verifies it. No error to occur, is not expected to capacity-related problems. This is also suitable for detection of manipulated H2testw USB sticks with the wrong size specification, as 2008 came in large numbers on the market

<http://www.heise.de/software/download/h2testw/50539>

If you find the tool H2testw 1.4 useful to you, please return and leave a comment on your experiences with it.

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<http://translate.google.ca/translate?hl=en&sl=de&u=http://www.heise.de/software/download/h2testw/50539&sa=X&oi=translate&resnum=2&ct=result&prev=/search%3Fq%3DH2testw%26hl%3Den%26sa%3Dg>

H2testw 1.4

watchcomparerating: (189 ratings, weighted : 5.22 points)56189

Download

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selected disk with test data, it then reads back and verifies it. No error to occur, is not expected to capacity-related problems. This is also suitable for detection of manipulated H2testw USB sticks with the wrong size specification, as 2008 came in large numbers on the market. Caution: Do not use this tool only if there is no important data stored on the drive and it is not the boot disk on the system. (mfi)

Gallery H2testw

E-mail

You H2testw link on your website or blog:

Opinions on H2testw

No. 15 Steuerfuzzi 24/08/11 12:16

The program is worth gold. However, the program has a downside. In the age of 2 TB drives that are connected via USB, does it take to complete writing ever 20 hours. If you interrupt the program, however, can not by the latter of the test data point to continue, but must delete the data and start over. Here is a function would be desirable to allow a continuation of the record or the test.

Report Comment

No. 14 Frank. 07.29.11 13:37

Last edited by the author on 07/29/11 13:45

This simple tool supposedly fills the available space for normal files on USB drives, and tests whether there is also read what was written. Unpartitioned space, hidden sectors, existing files, etc., are not merely modified deliberately, but can naturally break down when a drive is formatted with more sectors than actually exists. Sectors is not enough H2TESTW, could allow such a fake 4GB drive actually 7698432 sectors ($2048 * 179 * 21$), but have been rounded off to $7,695,135 = 479 * 255 * 63$ rd Dskprobe tool helps to knit myself, not used as FAT32 cluster size 8 for 7698424 sectors $MBR + 1 + 7 = 7698432$, and then said H2TESTW and CHKDSK / R and neat, "okay".

Report Comment

No. 13 Claus rubbing stone 16:06:11 13:05

Unfortunately, the program stops at the first reading error. I would hope that it (optionally) further reads and _all_ error reports so I can hit my shot-term trader's 500GB disk with a clear conscience about the ears ...

Report Comment

No. 12 Wurzelbehandlung69 01/26/11 19:06

Very nice program! Has prevents us from hundreds of fake or at least defective USB flash drives to distribute to our customers and to damage our reputation!

Report Comment

No. 11 T Anderson 22:09:10 16:33

THIS TOOL IS WORTH GOLD! also worked in a fraudulent microSD Card: 32GB capacity labeled as deluded and as new on Ebay and effectively sealed --- only 100MB available! Deftigt real! Very informative for (possibly) affected: <http://www.bunniestudios.com/blog/?p=918> Thank you for this tool!

Report Comment

No. 10 Nameless23 12:06:10 13:21

Unfortunately, there is no Linux port. Too bad ...

Report Comment

No. 9 Freedom-4-All 05/31/10 18:54

Good program. Unfortunately, no longer used commandline. Cool would be as a call via "H2testw.exe U:-free space-verify-removableonly-NOCANCEL" with exit code: 0 = everything OK, 1 = write error, 2 = verifyfehler, 4 = drivenotfound, 8 = less-than-90% - empty, 16 = Program aborted by user, 32 = StickWurdeAbgezogen, 64 = DriveTypeNotRemovable

Report Comment

No. 8 SDHCtested 3:03:10 23:32

Test an SDHC 16GB Class 10 etrememory in a Panasonic FZ 38 on cable and USB port (rear) 1) error message. "There are only tested 1932MB, the disk but has a total capacity of 1938MB This can not be found any error.. Card was formatted fresh (on NTFS drives is a small fraction of capacity reserved, and this message is therefore normal.)>>> What does this say to me <<<2) error message.? Error creating file 'E: DCIM 100_PANA 1.h2w' (The media is write protected code 19).. Note: Only tested in 1932 by 1938 MByte write rate. 0.00 KByte / s H2testw v1.4 Both error messages, including notification of read-only media (though not locked), are also shown in ultra II 2GB SanDisc, both in camera, as well as via internal card reader. What can be causing this? remedial alternatives?

Report Comment

No. 7 lordrobe 3:03:10 19:11

Super software, now with Gui. Really awesome!

Report Comment

No. 6 yzemaze 2:03:10 12:12

in doubt, use wine

Report Comment

No. 5 19:02:10 bt90 18:43

@ Mclflye: If possible sein.Bin console means there unfortunately does not really fit in the field, but in relevant forums Linux get more detailed help you sure ;-)

Report Comment

No. 4 mcflyle 20:01:10 12:14

Is there anything comparable for the Penguin?

Report Comment

No. 3 Snick_CH 30/12/09 15:03

Super program. Also, I would have even paid for it. I test all USB sticks with this program, so I know what I bought. Great job!

Report Comment

Not only my USB sticks, camera Memories, even my HD (320 GB) I tested with this super program. Very empfehlenswert.

Report Comment

No. 1 SINOstar, Ingo Lechner 08/28/09 08:09

Super program, I immediately emailed the link to my Chinese friends, it can test the time your USB flash drive before sending scrap, of course, there are also programs in China, but mostly just to test whether it is a fake-stick is (ie a 32 MB-1 GB flash drive shows as 32 MB of disk space even though only). This program also tests the quality of the stick and that is the essence; maximum score for this program I would have bought even if it would be not free ...

<http://sosfakeflash.wordpress.com/2008/09/02/h2testw-14-gold-standard-in-detecting-usb-counterfeit-drives/>

« szeho663 – The Grand Daddy Of Fake Flash Drives On eBay

Fake Flash Sellers Stopped eBay Report 20080902 »

H2testw 1.4 – Gold Standard In Detecting USB Counterfeit Drives
Posted by KittyFireFlash on September 2, 2008

New! This article contains a poll you can vote on.

H2testw 1.4 has proven itself to be the best of breed for detecting counterfeit Flash drives. It is extremely easy to use and proves detailed information. Created by Harald Bögeholz, the interface is in German but has the option to run in English. It is free and standalone. Nothing is installed into the operating system. Designed for Windows it can run under Linux if Wine is installed. It will not run under Macs. If your computer can not run the software – ask a colleague or friend who has a windows based computer to help you test.

To learn more and for download information

Sections covered:

Gold Standard rating for H2testw 1.4 Why do you give this software such a high rating?

Results for a 64GB USB drive purchased on eBay, using H2testw 1.4

Results from H2testw have been verified on drives detected as fakes

Acknowledgements

Download Links

Note To Flash Drive Sellers

Gold Standard rating for H2testw 1.4? Why do you give this software such a high rating?

We give H2testw 1.4 the highest rating and recommend it for testing counterfeit USB Flash Drives for the following reasons:

Easy to Use

While in German an English Execution is possible

Stand alone executable file – no installation required to run it

You do not need administrator privileges on a computer to run it

Tested to work on 1.1 and 2.0 USB drives

Tested to work on 1.1 and 2.0 USB Ports

Tested to work to analyze drives advertised as 4GB, 8GB, 16GB, 32GB and yes ...64 GB capacity.

Reports seen capacity – what the operating system sees size to be.

Will write 1 GB files up to the reported size – requiring no work on your part except patience if it is a large drive and a slow computer

Will read all the files it wrote and verify them

Will produce a report. a) short if all is well b) detailed if there issues found.

The program is offered free

The readme.txt file provides:

Explanation of the program and what it does for general computer users

Information on how to interpret the results

Technical information for those who have a deeper understanding of data storage and file writing and for the skeptics out there. Output results can easily be copy pasted into notepad to be saved as a text file.

Test results for a 64GB USB drive purchased on eBay, using H2testw 1.4

Sample Output For A Fake 64 GB Drive

The media is likely to be defective.

3.8 GByte OK (8084847 sectors)

58.6 GByte DATA LOST (122921617 sectors)

Details:710.5 KByte overwritten (1421 sectors)

7.6 MByte slightly changed (< 8 bit/sector, 15630 sectors)

58.6 byte corrupted (122904566 sectors)

710.5 KByte aliased memory (1421 sectors)

First error at offset: 0x000000003cef8470

Expected: 0xeb7ac43a237c5170

Found: 0xeb7a843a237c5170

H2testw version 1.3

Writing speed: 9.24 MByte/s

Reading speed: 10.8 MByte/s

H2testw v1.4

This is 4GB USB flash drive not a 64GB USB flash drive. It is of poor quality. As 4GB drive it should be about 3.9 GB not 3.8 GB formatted. This indicates in low level formatting a lot of bad sectors had to be locked out. Usually flash chips like these are rejected for major brands and should be destroyed. Unfortunately instead of the furnace flames these chips are leaving the back door of factories to be resold. These chips are a favorite for counterfeiters to reprogramme. Low cost, big profit.

The results from H2testw have been verified on drives detected as fakes. How?

Drives were disassembled

Controller chips identified

Flash chip identified

Searches on the actual flash drives using their identification number revealed their true capacity. These matched the output from the H2testw Program.

In a few cases, when drives were disassembled, epoxy glue removed holding the flash drive to the bottom casing, quality control stickers were found with a size circled. The size? Exactly what H2testw reported as the capacity it could write to. All drives autopsied for investigation and validation of this program were purchased on eBay.

We do not see any other program that can match these features. Therefore, H2testw has been adopted as the Gold – Standard to detect and test fakes.

eBayers use this program to PROVE they have received a fake from a seller. It is confirmed with more eBayers reporting the same results for the same drive model. We have been able to prove this repeatedly, to the point we have only one conclusion. If a drive model fails capacity testing with H2testw then any for that listing on eBay is a fake. Having more eBayers test the same model only confirms what H2testw reported. The autopsies on counterfeit drives have also proven the value of this program. The report is a God send for eBayers who must file disputes. It gives them evidence to submit with their case.

Acknowledgements

To Herald Bögeholz who wrote the Program H2testw, Thank You!

To c't Magazin für Computertechnik, Thank You!

To www.heise.de for hosting the download of the programme, Thank You!

People around the world who have suffered the misfortune to receive a Counterfeit Flash drive are grateful for your contribution in the struggle against False Capacity USB Flash Drives and memory cards.

Linux users please read: Linux H2testw Alternative Program Called F3 By Michel Machado

Download links

Using Google translation into English

Article Manipulated data loss caused by USB sticks – Heise Online

H2testw 1.4 Website – English

Note: Using translation can slow down access speed of the web pages.

German

H2testw 1.4 Website – German – Direct Site Access

You may prefer to search with Google for the software. Type in H2testw 1.4 which is the current version at the time of listing on this page. To search all versions you can just type in H2testw.

Direct Download Of Software For version 1.4 of H2testw

Note To Flash Drive Sellers

Please test your merchandise using this software. Do not offer for sale unless the drives are able to pass testing. You do not want to face the consequences of angry buyers. If you have drives which fail, contact the source you acquired from. Submit the proof you have as evidence for receiving counterfeit merchandise.

If the drives you offer for sale are able to pass the testing of H2testw 1.4 – congratulations!

Please indicate this in your advertising or listings. Let prospective buyers know that you have tested. That your drives pass with the program and that you are able to guarantee the true advertised capacity (minus a small overhead for operating system file formatting.). This will increase your sales potential.

If you find the tool H2testw 1.4 useful to you, please return and leave a comment on your experiences with it.

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Test programs

USB 3.1

USB 3.0

Recently, I bought a new USB flash drive and wanted to know whether the specs matched up to what it can actually do. Usually these days most USB flash drives are advertised as USB 2.0, but the brands among the bunch come with differing price tags.

Some of it can be put on the shoulders of brand marketing, but mostly it is the difference in specifications and features that accounts for the toll on your wallet. Some come bundled with security software offering iron-clad privacy and some have memory capacities to tout. But hidden among these is the value of data transfer rates (reading and writing) capable from these flash devices.

So how do we go about checking the speed of USB flash drives? Maybe the following light and free software can lend a hand?

Check Flash

The Check Flash website is in Cyrillic (there is an English option too) but it shouldn't stop anyone from downloading this light and free USB flash drive speed testing and error checking software.

With Check Flash you can test, manage and format your USB flash drive. You can also run a read-write cycle on your USB flash drive, which returns not only the speed but also any errors (read/write or physical) in your USB drive. The

software does not rectify the problem but merely reports it

Check Flash v1.07 runs as an 812KB sized executable and does not require an installation.

HD Speed

HD_Speed is a pint sized software that can be used to gauge the speed of data transfer on your hard disks, CD/DVD ROMS and USB flash drives. This program is compatible with Windows 2000, XP and Vista only, though it supports both FAT and NTFS volumes.

The 80KB utility does not require installation and runs with a click. Select the drive and hit start. The read/write results show up as a graph and also as real values.

Crystal Disk Mark

Crystal Disk Mark is another disk benchmarking tool that can double up as a USB flash drive speed tester. The screen is simple and gives readouts according to the type of tests performed.

Crystal Disk Mark can carry out sequential read/write tests (i.e. read/write data in order) or random 4KB/512KB reads/writes or text copy. The speed test results are displayed as large numerical in MB/s. The 396KB software runs as a standalone executable straight from the box and is compatible with Windows Vista/2003/XP.

Flash Memory Toolkit -- FULL V. NOT FREE--

Flash Memory Toolkit is advertised as a collection of utilities for flash memory devices. The toolkit includes options to get detailed device information, erase files and recover files lost after a format, hardware failure or an accidental deletion. Backup and restore functions along with our benchmarking task of measuring the read/write performance of the flash drive is available.

Unfortunately, the free standard version gives us only the ability to judge the Read speeds. To calculate both read/write speeds one has to upgrade to the Pro version. Even with this handicap, the ability to measure read speeds along with the File Benchmark feature (which calculates the time it will take to read or write files of various sizes to the device and returns the results as comparative graphs) is a nice help too. The 766KB software (v1.20) is installable on Windows 2000, XP, XP 64-bit, 2003 Server and Vista.

HD Tune --FULL V. NOT FREE--

Similar to the aforementioned software, HD Tune also comes in the free and paid flavors. And again, the free version allows for only read speed testing of our USB Flash drives. It also gives a detailed disk information option along with an error scan.

For more advanced aspects one need to dole out for the pro version. If you disregard the missing features in the free version, it is a handy utility to have around because it gives us a lot of benchmarking information like the maximum, minimum and the average transfer rates (i.e. the read speed) along with access time, burst rate (defined as the highest speed at which data can be transferred from the drive to the OS). HD Tune v2.55 is available for Windows 2000, Windows XP, Windows 2003 Server and Windows Vista.

USB 2.0 has a cutting edge data rate of 480Mbps, and it is rated 40 times faster than the now archaic, USB 1.1, which peaked at 12Mbps. Flash drives are catching up with most now hovering around the 30-40 MB/s mark.

So have you checked the speed of your USB flash drive lately? Which software have you used? Share with us in the comments

Top 5 File Copier Software Speedtest

January 9, 2015 by Pramod Kumar 4 Comments

When you have Copying large no. of files on Windows as your main PC, you have noticed that your files copying speed little slower & When we copying multiple files to pen drives or external hard drives it takes so much times. Many times windows hangs during the file copy. Though and for several reasons people doesn't like windows file copy & want alternative & fast solution. Windows OS is the best for file copy & but It's not perfect So I prefer to test a top five file copier software speedtest with windows 8.1.

Windows 8.1 vs UltraCopier vs Teracopy vs SuperCopier4 vs ExtremeCopy vs FastCopy.

Windows 8.1

Windows 8 or 8.1 have great utility that transfer your data smartly, you can pause any time between copying data, If any file exist on destination drive the it will ask you skip, replace & rename the file. You can also Skip, replace, rename all files at once. Which makes using Windows 8 or 8.1 so much better than any previous version of Windows sometimes.

Top Five File Copier

UltraCopier – UltraCopier is free and open source software licensed under GPL3 that acts as a replacement for files copy dialogs. UltraCopier is fast, It has nice interface and has a lot of useful features. It works on Windows/Mac/Linux and also support third-party plugins to extend functionality. UltraCopier is a cross-platform file copier for Windows, Linux, and Mac, It Works with all devices: hard drives, usb keys, cdroms. Ultracopier predicts internal and external errors. It results in detailed information dialogs which allow you to pick up the best solution (For example. always overwrite, overwrite if newer, ...).

Features- play/pause, speed limitation, on-error resume, error/collision management.

Teracopy – TeraCopy is one of fastest file copier. I'm using TeraCopy since last two years without any problem. It copy and move files at the maximum possible speed. It also skips bad files during the copying process, and then displays them at the end of the transfer so that you can see which ones need attention. TeraCopy can automatically check the copied files for errors by calculating their CRC checksum values. It also provides a lot more information about the files being copied than its Windows counterpart. TeraCopy integrates with Windows Explorer's right-click menu and can be

set as the default copy handler.

Features- Copy files faster, Pause and resume file transfer, Error recovery, Interactive file list. Shell integration, It automatically add multiples in copy/move list if target are same. Full Unicode support. Windows 8 x64 support.

SuperCopier4- Supercopier4 & Ultracopier both are same files copier and developed by ultracopier.first-world.info. Both files copier have same interface & Both are free and open source software licensed under GPL3 that acts as a replacement for files copy dialogs, But in the performance SuperCopier4 take advantage over Ultra Copier. SuperCopier4 little faster than UltraCopier.

ExtremeCopy- ExtremeCopy is an another Windows file copy software, ExtremeCopy able to copy and or move your files extremely fast speed. it can increase data copy speed 10 times faster than Windows default file copier.

ExtremeCopy can integrate itself into your Windows seamlessly as copy tool and when you copy/move data it automatically take over advantage Windows default file copier. It has nice interface.

Feature- play/pause, you can skip any files between data transfer, on-error resume, error/collision management, Manage your copy file task easily

FastCopy- FastCopy is free open source (BSD license) computer software, a portable file and directory copier that runs under Microsoft Windows and available in 32- and 64-bit versions that support all version of windows. FastCopy offer fast transfer of files between hard drives and copying of files within the same drive. It is a free-standing application or be integrated into the Windows shell. It has nice interface but when you want to copy/move any file, it cannot take over default Windows file copier. If you want to copy Files select file address From Source address & destination address from DestDir or you can right click on any files that you want to copy & select Copy (Fast copy) and then select destination address from DestDir. It also works with other files copier tools without any problem.

Finally Testing Result- we have tested a 900mb file copy speed on windows 8.1 & Top five File Copier on Usb 2.0 From my 1 TB WD Element external hard drive to my PC & test result is-

Windows 8.1- 37.10 Seconds

Ultracopier- 30.21S

TeraCopy- 35.08S

SuperCopier4- 25.01S

ExtremeCopy- 35.13S

Also read:

Top 5 Free Video Converter

~~~~~Winner SuperCopier4.~~~~~

~watch this speed test video for top 5 File Copier~

## Reader Interactions

### Comments

Jouni "rautamiekka" Järvinen says

December 19, 2016 at 06:20

-All- of those lack the extremely important delete function TeraCopy has. Plus ExtremeCopy Standard's feature selection is quite small.

Reply

shubham says

October 6, 2016 at 23:49

I have been using GS RichCopy 360 pc software since last 6 months. I think it is the best copying software i have ever used. Overall it's cheap & best.

Reply

JAY says

June 10, 2016 at 00:11

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Thanks for this great test. Super copier is fastest.

Reply

MS.frog says

February 4, 2016 at 12:19

thank! I downloaded the Ultracopier

that's not bad

Reply

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