






CHECK YOUR HARD DISK BEFORE DAMAGE

HARD DISK MONITORING & ALERT APPLICATION

Introduction

It is a hard disk analyser application, Alert System of Hard Disk Errors, created to monitor the hard disk status, temperature, performance and health. Moreover, it can reveal possible problems, performance degradations and predict hard disk failures. By using this software, it is possible to avoid data loss and hard disk damage. This Software show always your Hard Disk Strength and approximate Life.

It is possible to display a symbol regarding the disk health on the tray icon also. It can be  (perfect, in case of high health value),  (poor, in case of low condition) or  (acceptable, between the two thresholds). It is possible to select when the health symbol should be displayed - for example to display only if the health is too low.

S.M.A.R.T.

S.M.A.R.T. (Self-Monitoring Analysis and Reporting Technology) is introduced by IBM. It was created to monitor the disk status by using various methods and devices. A single ATA hard disk may have up to 30 such measured values (attributes). Some of them directly or indirectly affect hard disk health status and others have statistical information.

According the S.M.A.R.T. specifications, when a problem is detected, the hard disk should work for at least 24 hours to perform the data backup. But in many cases this time is not enough - that's why it is important to recognize problems and prepare before it's too late.

Installation

Windows - 10, 8.1, 8, 7, Vista, XP and 2000 Win Server - 2016, 2012, 2008, 2003 and 2000: no preparations (for example installing third party packages) required before installation of HD Protector, it can be installed immediately after the operating system first starts.

Status window



By clicking on the "Show Status Window" button (3rd button in the button bar of the main window) it is possible to toggle displaying a small status window. It contains the models, temperature and condition values of installed hard disks. This status window is displayed always-on-top, above all other windows. This way it is possible to monitor the current status of the disks.

Tray icon



After a fresh installation, an icon with temperature information is displayed for each hard disks (if the temperature can be detected on the hard disk). The application displays high and higher temperatures by using different colours: below 44 Celsius the background of the icon is green, between 44 and 49 the temperature icon is yellow and above 49 it is red. Of course these thresholds and colours can be configured based on the preferences of the user.

If the user double clicks (with left button) on any disk tray icon, the main window is displayed with detailed information about all installed hard disks.

Disk Icon



Main window

From the main window of HD Protector it is possible to access all features and functions by using the main menu or the quick buttons.

Disk: 0, SAMSUNG HM321HI [S265JB0Z611635] - HD Protector 7.4.50 PRO

File Disk View Report Configuration Help

SAMSUNG HM321HI (298.1 GB)
Interface: S-ATA II [S265JB0Z611635]

Health: 99 % *Disk: 0*
Perf.: 100 % C: [WIN 7],
Temp.: 33 °C D: [System R]

Overview Temperature S.M.A.R.T. Information Log Disk Performance Alerts

Performance: 100 % Excellent
Health: 99 % Excellent

There is 1 weak sector found on the disk surface. It may be remapped any time in the later use of the disk. At this point, warranty replacement of the disk is not yet possible, only if the health drops further. It is recommended to examine the log of the disk regularly. All new problems found will be logged there.

No actions needed. → Action Message with Colour Indication

Power on time: 500 days, 0 hours
Estimated remaining lifetime: more than 1000 days
Total start/stop count: 5,104

Repeat Test

Click to add comment ...

Health (%)

1/14/2017

Customize...

Status last updated: 1/14/2017 Saturday 5:29:11 PM

Disk: 0, WDC WD10EZR-00D8PB0 [WD-WCC4M1PV53L3] - HD Protector 7.4.50 PRO

File Disk View Report Configuration Help

WDC WD10EZR-00D8PB0 (931.5 GB)
s [WD-WCC4M1PV53L3]

Health: 84 % *Disk: 0*
Perf.: 100 % C:
Temp.: 32 °C D: E: [DATA R]

Overview Temperature S.M.A.R.T. Information Log Disk Performance Alerts

Performance: 100 % Excellent
Health: 84 % Acceptable

There are 6 bad sectors on the disk surface. The contents of these sectors were moved to the spare area. The drive found 3 bad sectors during its self test. There are 7 weak sectors found on the disk surface. They may be remapped any time in the later use of the disk. At this point, warranty replacement of the disk is not yet possible, only if the health drops further. It is recommended to examine the log of the disk regularly. All new problems found will be logged there.

It is recommended to backup often to prevent data loss and make plan for hard disk change. → Action Message with Colour Indication

Power on time: 118 days, 0 hours
Estimated remaining lifetime: more than 1000 days
Total start/stop count: 669

Repeat Test

s

Health (%)

11/24/2016 11/25/2016 11/26/2016 11/28/2016 11/29/2016 11/30/2016 12/1/2016 12/2/2016 12/3/2016 12/5/2016 12/6/2016 12/7/2016 12/8/2016

Status last updated: 12/8/2016 Thursday 12:48:33 PM

ST1000LM024 HN-M101MBB
Interface: S-ATA II [S2RQJ9GCC15858]

Health: 52%
Perf.: 100%
Temp.: 35°C

Action Message with Colour Indication

There are 178 weak sectors found on the disk surface. They may be remapped any time in the later use of the disk. At this point, warranty replacement of the disk is not yet possible, only if the health drops further. It is recommended to examine the log of the disk regularly. All new problems found will be logged there.

It is recommended to backup immediately to prevent data loss and replace this hard disk.

Power on time: 202 days, 6 hours
Estimated remaining lifetime: 438 days
Total start/stop count: 4,250

Repeat Test

Click to add comment ...

Health (%)

0

0

Status last updated: 12/8/2016 Thursday 12:48:33 PM

MONITORING	INFORMATION
<ul style="list-style-type: none"> Hard Disk Health Hard Disk Performance Hard Disk Temperature Hard Disk Smart Error Hard Disk Bad Sector Hard Disk Weak Sector Hard Disk Surface Error Hard Disk Predicts Error 	<ul style="list-style-type: none"> Hard Disk Information ATA Information S.M.A.R.T. Information Physical Disk Information System Information Alert Information Transfer Rate Information Hard Disk Life Information
SAVE	CARE
<ul style="list-style-type: none"> Save Your Hard Disk Save Your Data Save Your Time Save Your Money 	<ul style="list-style-type: none"> Care Your Hard Disk Care Your Data Care Your OS Care Your Software



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