HDShredder 8

Miray

Securely wiping of all types of disks

HDD, SSD, eMMC, NVMe, UFS

New: Audit-proof Certificate

New: Adobe-verifiable PDF/A [3]

New: Runs Directly on Linux [3]

New: HyperSpeed LAN Sanitization [4]

Editions

- Free Edition [F*]
- Basic Edition [W,V*]
- Standard Edition [W,V*]
- Professional Edition [W,V,T,M*]
- Enterprise Edition 4x/8x/16x [M*]

Highlights

- User-friendly high security deletion
- Supports 15 international standards
- Running on Windows, Linux and self-booting
- Boots on ARM Snapdragon CPUs [3]
- UEFI-Boot, PXE-Boot, SecureBoot

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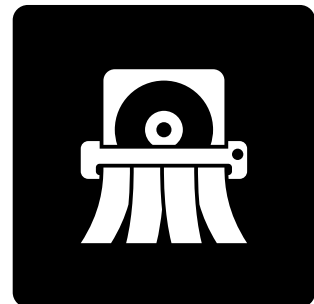
The universal tool for high-level security deletion of almost any storage media.

Its unique Secure-Erase-Engine makes HDShredder the fastest cross-platform program to securely erase almost any type of disk, while supporting all major high security standards.

Peace of mind — Fulfill all major security standards
HDShredder offers all 15 major international secure deletion standards, including DoD 5200, BSI, VSITR, and GOST, keeping it easy for you to fulfill any legal and security requirements.

No matter WHAT — All types of disk interfaces
Whether you need to securely erase HDDs, SSDs, or flash disks: be it SATA, USB, NVMe, eMMC, UFS, CompactFlash, or SD/MMC cards - even SAS, SCSI, IDE, and RAIDs are supported.

No matter WHERE — Run it wherever you need it
HDShredder runs either directly on Windows or self-booting from a USB storage device or a CD/DVD. There are two self-booting variants, one of which is based on a Linux kernel.

Proof of completion — Secure erasure certificate
Generate a certificate for precise documentation of each secure deletion, including timestamps, serial numbers and all details of the deletion process for you and your customer.

Hassle-free — Fault tolerant
The SmartDefectSkip mechanism allows HDShredder to work on disks that contain defective sectors. In this case, the best tradeoff between high speed and full coverage is ensured.

Efficient — Refurbish disks for reuse in one step
HDShredder leaves storage media fully reuseable. With the support of Trim/Unmap/Deallocate, HPA/DCO and reformatting, disks can even be fully refurbished in one step.

Stay flexible — Extended network support
Not only can deletion certificates be stored in network shares, but HDShredder's built-in NetDisk feature also allows to securely erase disks over the LAN.

Overview of Editions

Features new to this version are marked in **red**

	Free	Basic	Standard	Professional	Enterprise
Achievable speed in GB/sec [1]	0.1	0.1	0.1	3+	24+
Security levels	1	3	18	217	217
SSDs, HDDs, Flash Media	●	●	●	●	●
Simple deletion	●	●	●	●	●
Secure deletion		●	●	●	●
HPA & DCO removal		●	●	●	●
15 International security standards (see right side)			●	●	●
Fully customizable deletion patterns & cycles				●	●
SecureErase, Sanitize for on-device purge				●	●
Audit-proof sanitization certificate				●	●
Signed PDF/A certificate [3] – Adobe® verifiable				○	○
Disk-at-once	●	●	●	●	●
Selectable partitions		●	●	●	●
Disks with read/write errors		●	●	●	●
Multiple disks at once (4x, 8x, 16x)					●
TRIM command for the accelation of SSDs	○	●	●	●	●
NetDisk – **HyperSpeed Deletion** via LAN				●	●
VNC remote desktop integrated				●	●
SATA (AHCI), IDE	●	●	●	●	●
USB 1.0/1.1/2.0 (UHCI, OHCI, EHCI)	●	●	●	●	●
USB 3.0/3.1/3.2 (XHCI)	○	●	●	●	●
SD/SDHC, MMC, CompactFlash, CFast, CFexpress			●	●	●
NVMe, eMMC, UFS, Firewire/IEEE1394 (OHCI)				●	●
USB 4, Thunderbolt 2-4				●	●
Intel Software RAID 0/1/10/5				●	●
SAS, SCSI, Hardware RAID [2]				●	●
Running on Windows, Windows PE [4]	○	●	●	●	●
Running on Windows on AR [3]				●	●
Running on Windows Server				●	●
Running on Linux [3]				○	○
Bootable on Intel, AMD CPUs	●	●	●	●	●
Bootable Linux kernel variant				●	●
Bootable on ARM Snapdragon CPUs (optional add-on)				○	○
Legacy/BIOS boot	●	●	●	●	●
UEFI boot		●	●	●	●
SecureBoot				●	●
PXE boot, Network boot				●	●

Program Variants

For maximum flexibility, HDShredder can be run either hosted or self-booting without an operating system installed.

HDShredder/W: Runs directly on Windows. [5]
- Windows XP (SP2), Vista, 7, 8/8.1, 10, 11
- Windows Server 2003, 2008 (R2), 2012, 2016, 2019, 2022 [4]
- Windows PE, Windows-on-ARM

HDShredder/S: Runs self-booting based on the performance optimized embedded OS Symobi.
- PC Pentium III or higher, 512 MB RAM, USB boot or CD
- ARM Snapdragon CPU, 512 GB RAM, USB boot or CD [3] [4]

HDShredder/L: Runs self-booting based on a Linux kernel for maximum device support (including SAS, RAID, WLAN). [4] [6]
- PC Pentium III or higher, 1 GB RAM, USB boot or CD

HDShredder/X: Runs directly on various Linux distributions. [3]
- Debian, Ubuntu, SUSE, RedHat

Secure Deletion Standards

The deletion standards implemented in HDShredder comply with the requirements of **ISO 27001**, **DIN 66399** and **NIST SP 800-88R1** for the defined security level "clear". For "purge" level, use SecureErase function.

Standard	Runs	Standard	Runs
VSITR	6	NCSC-TG-025	3
BSI-GSB	3	HMG IS5 (baseline|enhanced)	2 | 4
ACSI-33	6	GOST P50739-95	2
AFSSI 5020	3	RCMP TSSIT OPS-II	7
AR380-19	3	The Schneier Method	7
DoD 5200.28M	3	The Pfitzner Method	33
DoD 5200.22M	4	The Gutmann Method	35

Some features vary depending on the Edition. *) License types: F=Freeware | W=Workplace | V=Volume | T=Technician | M=Maintenance   1) speed may be limited by hardware   2) HDShredder/W & HDShredder/L   3) requires optional add-on   4) Professional and up   5) Windows: all mass storage controllers   6) self-booting: Linux standard driver support