

## Active@ KillDisk Professional DOS + Windows SUITE

### Overview

Active@ KillDisk is a powerful and compact software utility that can completely and securely destroy all data on hard drives, floppy diskettes, and media flash devices, without the possibility of future recovery.

### Exposing Confidential Data

Confidential data on a hard drive resides in spaces where data may have been stored temporarily. Files may have been deleted by conveniently using the Windows Recycle Bin and then emptying the Recycle Bin.

Attackers who want to retrieve confidential data are becoming more resourceful by looking into places where data might be stored temporarily. A hard drive on a local network node, for example, can be a prime target for such a search. One avenue of attack is the recovery of data from residual data on a discarded hard disk drive. Commands such as DELETE, FORMAT, and FDISK do not remove data as they merely change the FAT/MFT and ROOT table of contents on the file system leaving all the actual data on the disk untouched.

### Wiping Confidential Data

Active@ KillDisk's Wipe method processes all unoccupied drive space so that data recovery of previously deleted files becomes impossible. Installed applications and existing data are not touched by this process. When you wipe unoccupied drive space, the process is run from the provided bootable operating system. As a result, the wipe or erase process uses an operating system that is outside the local hard drive and is not impeded by Windows system caching. This means that deleted Windows system records can be wiped clean. Active@ KillDisk wipes unused data residue from file slack space, unused sectors, and unused space in MFT records or root records.

### Complete Disk Erasing

When you erase data with Active@ KillDisk, you destroy data permanently, conforming to any one of four international standards or your own custom settings. Regardless of the operating system, file systems or type of machine, Active@ KillDisk can be started using a variety of bootable media to destroy all data on all storage devices. It does not matter which operating systems or file systems are located on the machine. By using Active@ KillDisk, all data on your, hard drive, floppy diskette, or removable flash media device can be destroyed. Disposal, recycling, selling or donating your storage device can be done with peace of mind that no confidential data has been left behind.

### How the Data is Erased

Active@ KillDisk communicates with the system board Basic Input-Output Subsystem (BIOS) functions to access hardware directly. To erase data it overwrites all addressable locations on the drive. Active@ KillDisk Professional complies to the **US DoD 5220.22-M** security standard requiring an overwrite of all addressable storage and indexing locations on the drive three times. The first pass is zeros (0x00), it's complement (0xFF) on the second pass, and random characters on the third pass. A verification of data written occurs at the end as a confirmation.

### Bootable Media Creation

The software package provides several easy to use bootable media creators. Bootable 3.5" floppy diskette, bootable CD-R/DVD-R, bootable USB flash media. Active@ KillDisk for DOS can boot a system utilizing FreeDOS on a floppy diskette, CD-R/RW or USB jump/flash device. Active@ KillDisk for Windows can be run within Windows to erase secondary attached storage devices or used with the provided Microsoft® Windows® Pre-installation Environment v2.0 to create a bootable CD/DVD or USB jump/flash device.

### Logging and Reporting

Erase sessions can be logged to keep a record of the storage device erasure including model number/serial number, erase method used and time/data occurred.

### Automated Mode

The utility has a command line mode. It allows scripting of the erase procedure for automated execution without user intervention.

Example: `A:\killldisk -ea -em=2 -nc -bm`

In this example it will automatically detect and erase all detected hard drives using DoD 5220.22 M data destruction method (3 passes) with no user interaction and return control to the calling application.

### Disk Viewer

Browse the contents, files and folders, before erasing. View sectors with use of Disk Viewer to reveal raw disk data before or after an erase session.

### Additional Utilities

Active@ Disk Monitor is included with Active@ KillDisk for Windows. This uses S.M.A.R.T. technology to monitor the performance health of a hard drive. The Active@ KillDisk for Windows bootable CD/DVD also includes: File Explorer, On-Fly Drivers Loader, Command Prompt shell, Network Configuration Utility, Map Network Drive, Web browser.

## DATA SHEET

### Active@ KillDisk Feature Set

- ✓ Securely overwrites and destroys all data on physical drive or logical partition
- ✓ Erases partitions, logical drives and unused disk space
- ✓ Supports IDE / ATA / SATA / SCSI hard disk drives
- ✓ Supports fixed disks, floppies, zip drives, Flash Media drives
- ✓ Supports large-sized drives (more than 128GB)
- ✓ Supports Command Line mode (can be run with no user interaction)
- ✓ Operates from floppy disk or bootable CD-ROM or bootable USB device
- ✓ Erases with one-pass zeros
- ✓ Erases with user-defined number of passes (up to 99)
- ✓ US Department of Defense 5220.22 M compliant
- ✓ German VISTR compliant
- ✓ Russian GOST p50739-95 compliant
- ✓ Gutmann method compliant
- ✓ Customizable security levels
- ✓ Supports all detected hard disk drives
- ✓ Erasing report is created and can be saved as a file
- ✓ Displays detected drive and partition information
- ✓ Scans NTFS and FAT volumes and displays existing and deleted files and folders
- ✓ Data verification may be performed after erasing is completed
- ✓ Disk Viewer allows preview of any sectors or file clusters on a drive

- ✓ **New!** Operates in DOS real mode, the most secure and reliable environment
- ✓ **New!** Wipes out NTFS, FAT32, FAT16 and FAT12 volumes from areas containing deleted and unused data
- ✓ **New!** Wipes out free clusters (unused by file data sectors)
- ✓ **New!** Wipes out file slack space (unused bytes in the last cluster occupied by file)
- ✓ **New!** Wipes out deleted MFT and ROOT system records
- ✓ **New!** Wipes out unused space in any MFT records and compressed clusters

### System Requirements

#### Computer

- IBM PC/AT compatible CPU

#### KillDisk for DOS

- Intel 386 or higher
- 640kb (Real-mode) / 2Mb (Protected Mode)
- VGA 640 x 480 or higher resolution

#### KillDisk for Windows

- Intel Pentium or higher
- 32Mb RAM within Windows / 384Mb of RAM when used from Windows bootable CD/DVD
- VGA 800 x 600 or higher resolution

#### Drive Storage System

- CD or DVD-ROM drive
- USB storage device
- Hard Disk Drive type IDE, ATA, SATA or SCSI with controllers (additional drivers can be loaded for RAID's or non-standard controllers after the system is booted up)

#### Other Requirements

##### KillDisk for DOS boot media

- Floppy Diskette, blank CD-R or USB Flash Media

##### KillDisk for Windows boot media

- One blank CD/DVD or USB Flash.



Active@ KillDisk Professional

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