

Aiko SecuWipe



Secure Data Sanitizing

Mobile devices, such as Smartphones and PDAs, possess large volumes of confidential data. They pose a special risk because of their size and portability, and the fact that people are under impression that deleting the data and even hard resetting the Windows device cleans the data - while it is not. Even after the files or contacts are "deleted" on the Windows Mobile device it remains a perfect treasure trove for identity thieves, unless it has been properly sanitized.

SecuWipe is data sanitizing tool that irretrievably deletes sensitive data from PDAs, Smartphones and Windows CE terminals by overwriting it in accordance with strong data sanitizing algorithms. It wipes all previously deleted data, contacts, email and SMS messages, confidential files and folders from the mobile device and its external media cards.

Information security regulations, such as UK Data Protection Act, GLBA, HIPAA, US State Breach Laws and Sarbanes-Oxley, mean that proper actions must be taken to securely dispose of sensitive information. With SecuWipe companies will not only ensure they are compliant, but will honor customers' confidentiality and avoid identity theft. Data sanitization is a required component of regulatory compliance.

SecuWipe can be set up to automatically wipe all desired information in case the device has been compromised. An SMS with password sent to a compromised device will initiate wiping of the device memory, insuring the data will not get into wrong hands. SecuWipe will also automatically wipe the device clean once the intruder attempts to insert another SIM card or disables the phone function.

Data sanitizing methods:

- **Zeroing-out** - everything is overwritten with "0" pattern - 1 pass;
- **U.S. DoD 5220.22-M (C)** - everything is overwritten with a random byte - 1 pass;
- **U.S. DoD 5220.22-M (E)** - everything is overwritten with "0", "1" and with a random byte - 3 passes;
- **U.S. DoD 5220.22-M (ECE)** - used method #3, then #2, then #3 - 7 passes.
- **Bruce Schneier's algorithm** - everything is overwritten with "0", "1", and the next five passes are with a cryptographically random bit pattern - 7 passes.
- **Peter Gutmann's algorithm** - 35 overwrite passes in total, it is considered the strongest method for data destruction.

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Key Features:

SecuWipe sanitizes the following key areas on the mobile device:

- **Contacts, Email, SMS, MMS** messages
- **Appointments, Tasks, Calls, Notes, Recordings**
- **Free Space.** Required to prevent recovering of previously deleted files and to sanitize all temporary copies of files.
- Any size/any type **external media cards, SD card(s)**
- **Files and Folders**
- **Internet Explorer history, cookies, cache**

Wipe Scheduler:

The Wipe Scheduler is an effective means to protect user identity and sensitive data in case the handheld is lost or stolen. It will securely delete all information from a compromised device – either if it detects an untrusted SIM or a specific SMS with a pass-phrase that will trigger data wiping.

The following SecuWipe options will allow you to configure wipe scheduler to protect your private data:

- **SMS based wiping** – SecuWipe will wipe selected data files if a specific SMS with password is received.
- **Wiping on Untrusted SIM** will wipe selected data if an untrusted SIM is inserted into the device SIM slot.
- **No SIM or Phone off** will wipe the device if it has been stolen and the intruder has removed the SIM card or disabled the phone option.
- **Time based wiping** – SecuWipe will wipe the desired data on hourly, daily, monthly or yearly basis.
- **Upon Soft Reset**

Command line support

SecuWipe offers command line support, which allows automating wiping processes, weave them seamlessly into working processes - to provide regular and timely wiping.

Language Versions:

English, Japanese, Korean

For more information about Secuwipe, visit:
<http://www.aikosolutions.com/products/>

For trial version download:
<http://www.aikosolutions.com/download/download-secuwipe/>

Windows Mobile Pocket PC (touch-screen devices), Windows CE platforms:

- Windows Mobile 6.0/6.1/6.5 Professional / Classic
- Windows Mobile 5.0 for Pocket PC Phone Edition /for Pocket PC
- Windows Mobile 2002/2003/2003SE/2005
- Windows CE 3.0/4.0/4.1/4.2/5.0/5.2/6x
- Handheld PC 2000 (Windows CE 3.0)
- Pocket PC 2000/2002/2003/Phone Edition

Windows Mobile Smartphone (non-touch screen) platforms:

- Windows Mobile 6.0/6.1/6.5 Standard
- Windows Mobile 5.0 Smartphone
- Windows Mobile 2003 Second Edition Smartphone
- Windows Mobile 2003 Smartphone
- Smartphone 2002

Supported Processor Types:

ARM, MIPS, SH3, SH4, X86

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