



The UniKey Dongle

*The advantages of USB software
protection dongles*



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Overview

Over 20 years, legal protection for software has increased rapidly around the world, the technology and scope of enforcement of software protection continues to increase in various methods significantly.

The ultimate software protection is the hardware based software protection dongle, or we can call hardware key, dongle-based protection, software copy protection dongle, etc. This kind of protection might be the best, and it can maximize the software vendors' revenue.

The advantages of USB software protection dongles

- Hardware-based protection with the USB dongle secures sales and profits by preventing software piracy and license infringements.
- Provides flexible variable licensing methods such as, subscription, leasing, pay-per-use, by period, etc.
- A single USB dongle can protect several applications. An entire network can be protected with only one hardware key.
- Remote Update provides conveniences of distribution, updates and follow-up of sales.
- Every copy of the software is registered and prohibits the illegal usage.
- USB security dongle offers two levels of protection: envelope and the API. The envelope contains the decryption engine plus several pre-canned defenses to defeat reverse engineering. API allows embedding calls to the hardware key in code and performs custom checks to defeat reverse engineering attackers.

Differentiate dongles by port

- Serial port: It seems the serial port dongle is a history for now.
- Parallel port: with the increasing USB port in all types of computers the parallel port dongles are vanishing from the marketing.
- USB dongles: USB port dongles are the absolutely mainstream and take up all the positions in every district.

Differentiate dongles by driver



UniKey[®] STD

- ✓ #1 driverless hardware key
- ✓ Most deployed dongle in over 62 countries
- ✓ The most cost-effective software protection key



UniKey - #1 Driverless USB Dongle

- The dongle with driver: customers have to install the driver before inserting the dongle, actually most the dongle problems are caused by the driver.
- The driverless dongle: end users do not have to install the driver, just insert the dongle to the USB port, it works perfectly. This saves loads of work of technical support team.

Differentiate dongles by cases

- Water-Proofed dongles: these dongles are waterproofed as the case is plastic injection molded to resist water filter into the dongle body, it perfectly fit the use of oceanic software.



UniKey Water-Proofed Dongle

Non Water-Proofed: the case is buttoned up, there is a possibility of water leakage into the dongle body.

Differentiate dongles by real time clock

Dongles that with a real time clock inside is called real time dongle. Real Time is specially designed for software vendors who needs to control and manage the software's rental and selling in subscription or maintenance, it allows to pay per use, in this way software vendor can completely control the sales by charging the end users timely and periodically. This function is based on a real time clock deposited in the dongle indicating the specific time (hour, minute, second) and date (day, month, year).

UniKey[®] Time

1st driverless real-time dongle, flexible licensing

- ✓ A variation of the PRO model
- ✓ Contains a real-time clock indicating time and date
- ✓ Ideal for software rentals and subscription-based licensing



UniKey Real Time USB Dongle

- Non-real time dongle- There is no real time clock inside the dongle, vendors can set the time by virtual clock, but the time can be changed with the system time changing.

Differentiate dongles by storage

- Normally the USB dongles has only small storage from a few bytes to maximum of 64k for storing credentials. Currently this is the mainstream of USB dongles.
- Dongles with mass storage and the data inside can be encrypted on key, this is a technology newly introduced by UniKey Drive. It is ideal for distributing software on-key, stored in on-key storage.

Key Features of the mass storage with data encrypted on-key

UniKey® Drive

Deliver software and control its license on the key

- | | | |
|----------------------------|----------------------------|------------------------------|
| ✔ Smartcard Technology | ✔ Network licensing | |
| ✔ Extremely small size | ✔ Virtual CD-ROM | ✔ Encrypted and hidden drive |
| ✔ 1GB secure flash storage | ✔ Password Protected drive | ✔ Driverless technology |



UniKey Mass Storage USB Mini Dongle

Smaller size, less oxygen

The hardware keys go with dimension of 30mm*12mm* 2mm, extremely thin package. Up to 1GB flash memory and a smartcard dongle are assembled in such cute case.



UniKey Drive - Mass Storage USB Mini Dongle

- Smartcard technology

It is based on advanced smart card technologies, the proven most secure technology. Such processor controls the software licenses and flash storage inside memory.

- 1GB on-key flash storage

It includes a 1GB flash storage on-key. This is for storing user's data, such like software, digital credentials. This storage is versatile, can be partitioned to several virtual drives.

- **Virtual CD-ROM with auto run**

A virtual CD-ROM can be created in the hardware key. Software might utilize the auto-run function to deploy the software with ease.

- **Password protected flash drive**

The virtual flash drive can be password-protected. None authorized users cannot access the data on the protected flash drive.

- **Encrypted and hidden flash drive**

The encrypted/hidden drive function gives software vendors an ideal secure storage for storing huge amount of data. Such drive is invisible for end-users, so there is no means to copy the data on such drive.

UniKey Drive

The 1st Driverless Dongle With Secure Mass Storage



UniKey Drive-Mass Storage USB Mini Dongle

With the increasing of software piracy, not only does software piracy reduce revenues, it also results in less R&D, and in less investment in marketing and channel development, the new technologies of software protection are keeping to be introduced by hard work of software protection providers.

About UniKey

The UniKey Software License Management System is a combination of Hardware Key and Software. With increasing concerns of software piracy and license distribution, SecuTech has dedicated itself in developing the best Software License Management Systems in the market today. In working in close collaboration with software developers, software distributors and in using its extensive range of commercial software experience, SecuTech has developed the UniKey range of products to meet the ever increasing and demanding array of requests from its customers globally.

To learn more, visit the SecuTech Web site at <http://www.eSecuTech.com/UniKey>

About SecuTech

SecuTech Solutions Inc. is a company specializing in software license management business systems focusing on the international market with their class leading UniKey product range. Having an extensive and in-depth range of experience within the Software Management Licensing market, SecuTech has drawn upon this experience to utilize today's cutting-edge technologies to introduce a COMPLETE and affordable solution for today's software vendor markets worldwide.



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