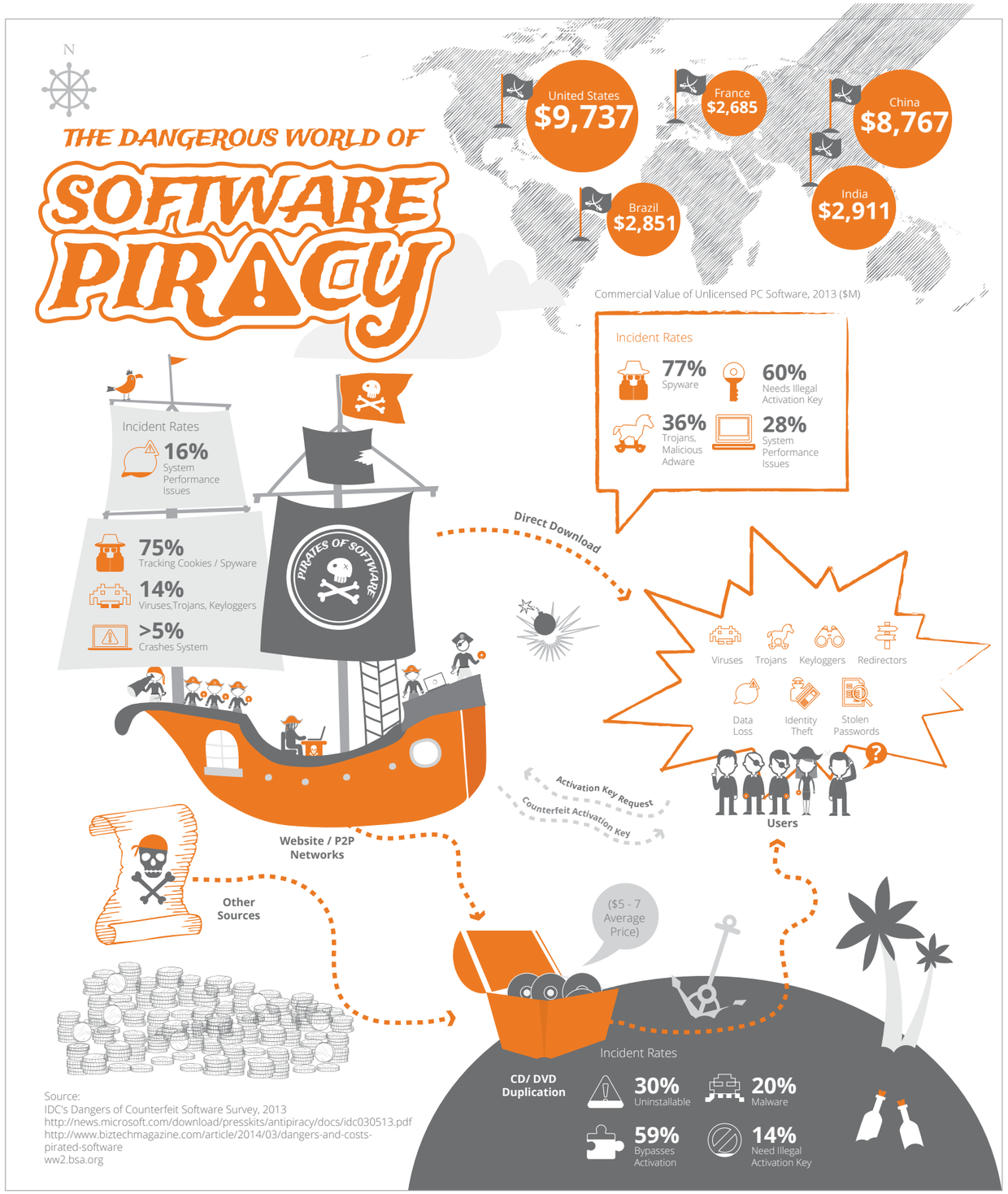

Source:
IDC's Dangers of Counterfeit Software Survey, 2013
http://news.microsoft.com/download/presskits/antipiracy/docs/idc030513.pdf
http://www.biztechmagazine.com/article/2014/03/dangers-and-costs-pirated-software
ww2.bsa.org

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SECURE METRIC TECHNOLOGY

SecureMetric Technology

SecureDongle

Software License Protection Dongle

Smarter Way To Protect Your Software

Overview Software Piracy

What Is Software Piracy?

Software piracy the unauthorized copying or distribution of copyrighted software. This can be done by copying, downloading, sharing, selling, or installing multiple copies into personal or work computers. What a lot of people don't realize or don't think about is that when you purchase a software, you are actually purchasing a license to use it and not the actual software. That license is what tells you how many times you can install the software, and it is important to read it. If you make more copies of the software more than the license permits, you are pirating.

The global rate at which PC software was installed without proper licensing in the emerging economy countries rose from 42 percent in 2011 to 43 percent in 2013.

43%

Of the software installed on PCs globally in 2013 was not properly licensed

35%

Only of all companies have written policies requiring the use of properly licensed software

$62.7billion

Was lost globally in 2013 due to unlicensed PC software installations

source: ww2.bsa.org

About SecureDongle

Software License Protection Dongle

Smarter way to protect your software

SecureDongle is built based on advanced microprocessor smart chip which is EAL4+ compliant and ITSEC certified. The smart chip based hardware architecture ensures complete security against risk of Dongle hardware being cloned or duplicated. In addition to hardware advantage, SecureDongle is also built with a very user friendly interface on its bundled firmware and utilities. Unlike many other competing products where their shortcomings are summarized as follows:

Non-Smart Chip based

Usually based on common low cost EEPROM where the main protection algorithms rely more on the firmware that is bundled together rather than on the hardware. This type of hardware architecture can easily be duplicated by many Dongle Duplication Experts.

Smart Chip based

Here are few smart chip based dongles available in the market and most of them are very complicated to integrate. A new dongle user might need to spend weeks or even months in order to be able to come up with a good protection.

SECURE METRIC TECHNOLOGY

SECUREDONGLE

Smarter Way To Protect Your Software

Software License and Copyright Protection Dongle that Offers Maximum Security but Minimum Learning and Investment

Maximum Security

Minimum Learning

Minimum Investment

Feature Highlights

HID Driverless
As HID driverless, SecureDongle requires no external device driver installation, thus minimizing the common technical issue arise from device driver. No driver is required. As long as a USB thumb drive is compatible with the computer, so does SecureDongle!

Soft Timer
SecureDongle is built based on an innovative soft timer that requires no battery, but still support protection using expiry time or date.

Module Zone
Up to 64 Module Zones which facilitate validity flags to protect up to 64 software modules, provides easy licensing management.

Data Zone
Up to 1,000 bytes data zone, which developer can use it as an external memory for some selected variables or constants accessed by the protected software as an additional security measure.

Software Enveloper
Provide an encryption program to encrypt the software (executables, Flash, .Net, FoxPro) with simple protection facility

Self Definable Security Algorithms
Up to 128 self definable security algorithms that will be executed on-board when called by protected software which will then be authenticated using the popular Challenge Response Authentication to maximize the security level of the protection.

Multi Levels Access Right Management
Supports multi level access right management to facilitate different access rights for the development team.

Smart Chip Based
Advanced EAL4+ and ITSEC certified microprocessor smart chip that enables algorithm's execution and onboard seed code generation. Microprocessor smart chip prevents hardware cloning and duplication attack.

Globally Unique Hardware ID
32-bit pre-burn and unchangeable globally unique hardware ID provides unique reference on each individual SecureDongle.

Remote Update
Supports secure remote update for developers to amend the SecureDongle settings which enable secure software license update and upgrade.

Onboard Seed Code and Random Number Generation
Supports on-board seed code and random number generation which developer can apply into their protection to strengthen the security and to make the protection more complicated to crack.

User-Defined Security Password
Valid 64-bit password is required in order to gain access into SecureDongle. Developers can set and change their own security password which ensures higher privacy. Moreover, SecureDongle has built-in advanced password protection system that can prevent Brute-Force attack.

Secure Communication
SecureDongle is built also with advanced encryption/decryption on communication between firmware and hardware to prevent debugging and emulator attacks.

Visit onlinestore.securemetric.com to order SecureDongle Software Development Kit for your evaluation at zero cost.

Software Development Kit ● One unit SecureDongle USB DEMO Dongle ● One unit software /utilities CD-ROM Contents inside the CD-ROM: - Developer Guide - Editor (to edit/ test the Dongle's Memory) - Envelopers (executables, Flash, .net, FoxPro) - Data Recorder (to record Dongle's content) - Remote Updater (to remote update dongle's setting) - Steps for Beginner with API Samples

SECUREDONGLE X

SecureDongle X is built based on the most cost effective, secure EEPROM together with simple Plug & Play HID USB platform that is extremely simple to implement where even a new dongle user can master it with very little learning effort.

Human Interface Device

Changeable Password

Unique Identifier

Enhanced Security

Large Memory

Comprehensive Software Development Kit (SDK)

TECHNICAL SPECIFICATION

Model	SecureDongle	SecureDongle X
Hardware ID	32-bit Pre-Defined globally unique identifier	
User Password	8 Bytes User-Defined passwords	32-bit User-Defined UID
User ID	32-bit User-Defined identifier	32-bit User-Defined UID
Module Zone	64x16-bit non-readable memory used for arithmetic calculation and/or to assign validity flags for multiple software products or modules	N/A
Zero Attributes	64x2-bit to indicate a Module is "0" or non-"0"	N/A
Decrement Attribute	64x2-bit to indicate a Module can be decreased	N/A
User Algorithm Zone	128 Instruction storage for user-defined algorithms	N/A
User Data Zone	2,000 bytes User-Defined memory space	5 x 512 bytes internal memory
Dimensions	60 x 19 x 9 mm	58 x 19 x 9 mm
Current Consumption (Active / Idle)	<50 mA	
Min.Operating Voltage	5V	
Hardware Platform	EAL4+ & ITSEC certified microprocessor smart chip	EEPROM
Max. No. of Concurrent Dongle Used	16	
Max. No. of Write Access	>100,000	
Connector Support	USB Type A	
Storage Temp.	-40 °C ~ 85 °C	
Operating Temp.	0 °C ~ 70 °C	
Data Retention	10 years	
API Samples	ActiveX (JavaScript, VB6,VB Script), Java Applet, BCB6, Delphi7/2006/2010/XE, Director, ASP.NET, VB.NET2005/2008/2010, C#.NET2005/2008/2010, FoxPro, Java, Power Builder, VB6, VBA (Microsoft Access 2010), VC++	Access, BCB, Delphi, Foxpro, Java, JWS, PB, Python, VB, VC, .net, X64
Support OS	LInux (Kernel 2.6 and above) / Windows XP up to Windows 8.1	LInux (Kernel 2.6 and above)/ MAC OS X/ Windows XP up to Windows 8.1