



SECUREDONGLE

Software License Protection Dongle

Smarter way to protect your software

SecureDongle is the market's most wanted Software License and Copyright Protection dongle that offer Maximum Security but Minimum Learning and Investment.

Maximum Security

SecureDongle is a combination of advanced smart card level hardware security together with software protection firmware which is also integrated with advanced anti-cracking algorithms and mechanisms.

Minimum Learning

SecureDongle SDK offers comprehensive yet user friendly tools, utilities, tutorials and API samples. Even a novice developer can master it within days.

Minimum Investment

SecureDongle offers the most cost effective option in the industry. So why pay more!

SecureDongle is built based on advanced microprocessor smart chip which is EAL4+ complaint 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 interfaces on its bundled firmware and utilities. Unlike many other competing products where their shortcomings are summarized as follow:

Non-Smart Chip based

Usually based on common low cost EEPROM where the main protection algorithms rely more on the firmware that is bundle 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.



SecureDongle Feature Highlights



HID Driverless

As HID driverless, SecureDongle requires no external device driver installation thus minimizing 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!



Smart Chip based

Advanced EAL4+ and ITSEC certified microprocessor smart chip that enable algorithms execution and onboard seed code generation. Microprocessor smart chip prevent hardware cloning and duplication attack.



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.



Globally Unique Hardware ID

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



Module Zone

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



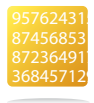
Self Definable Security Algorithms

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.



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.



Onboard Seed Code and Random Number Generation

Supports on-board seed code and random number generation which developer can apply it into their protection to strengthen the security and to make the protection more complicated to crack.



Software Enveloper

Provide encryption program to encrypt software (executables, Flash, .Net, Foxpro) with simple protection facility



Soft Timer

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



Remote Update

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



Secure Communication

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



Multi Level Access Right Management

Supports multi level access right management to facilitate different access rights for the development team.



Technical Specification

User Password	8 Bytes User-Defined passwords
Hardware ID	32-bit Pre-Defined globally unique identifier
User ID	32-bit User-Defined identifier
Module Zone	64x16-bit non-readable memory used for arithmetic calculation and/or to assign validity flags for multiple software products or modules
Zero Attributes	64x2-bit to indicate a Module is "0" or non-"0"
Decrement Attribute	64x2-bit to indicate a Module can be decreased
User Data Zone	1,000 bytes User-Defined memory space
User Algorithm Zone	128 Instruction storage for user-defined algorithms
Dimensions	51 x 16 x 7 mm
Current Consumption (active/idle)	<50 mA
Min. Operating Voltage	5V
Hardware Platform	EAL4+ & ITSEC certified microprocessor smart chip
Max. concurrent plugged dongles	16
Max. Memory 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

SecureDongle supports various possible licensing models. Below are some popular models:

- 1 SecureDongle, 1 user license
- 1 SecureDongle, 1 site license, unlimited users
- DEMO license and remote activation to final license
- 1 SecureDongle with several software modules license and remote update
- Rental and Subscription based license
- Pay per use license





Software Development Kit

What you need now is to get a set of SecureDongle SoftwareDevelopment Kit which will facilitate all your needs to start integrating SecureDongle protection with your software application.

The contents inside the Software Development Kit are listed as follow:

- 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)
 - API Samples (ActiveX for ASP, Javascript, VB6, VB Script; BCB5/6, Delphi 4/5/6/7/2005/2006/2007/, Director, Java, PB6.5/8, VC6, VS.net, x64 etc.)
 - Steps for Beginner with API Samples
 - Device Driver for Win98 SE



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