



the smart key for software protection

SmartKey





SmartKey

SmartKey is a small-sized hardware key to be plugged into the parallel or USB port of the computer. Each dongle is characterized by a unique code that is recognized by the software to be protected and that enables its proper working.

While running, the program checks the dongle presence and codes, deciding whether to continue or stop the execution. The software can be protected by means of an automatic encrypting procedure of the executable files or through the integration of special software drivers.

SmartKey is easy to install, secure and secretive: after inserting it in the PC, the user can forget it, because of its utterly transparent presence. But, if the unit is removed, the software will stop working.

SmartKey limits the program use to one copy at a time without preventing carrying out archive or backup copies. Used by more than 5000 software-houses all over the world, SmartKey constitutes the state-of-the-art in software security thanks to the use of microprocessors and ASIC chips especially designed for its security functions.

Specifications:

High security

the use of microprocessors and ASIC chips makes it impossible to clone the dongle easily

Algorithmic query

algorithmic query procedures are present (proprietary and/or AES 128 bit)

Identification code

each dongle is individually customized with a factory preset identification code, different for each user

GSS

automatic protection of executable files

Internal memory

up to 896 bytes of code-protected secure non-volatile memory for reading and writing mode

Programmability of security codes

a 16+16 dual access code can be programmed by the user by means of the included utilities

Remote control

by means of additional libraries it is possible to identify, read and write the key installed on an Internet client

Languages

complete support of programming languages and environments (Visual C++, Visual Basic, Autocad, Solaris, Delphi, .NET, etc.)

Sturdiness

waterproof: IEC60529 IP67 certification (SmartKey USB)

Driverless

the whole USB range is also available in driverless versions (DL suffix) that are automatically recognized by Windows and Mac operating systems and do not require hardware drivers to be installed

Models

FX(Fixed): It is the protection dongle for economic applications. Security is guaranteed by an internal code that is univocally assigned to each client.

PR(Programable): It is the dongle with internal memory for more versatile applications. Security, besides being guaranteed by an internal code, relies on an internal memory up to 128 byte in reading and writing mode that can be accessed through a dual security code.

EP(Extended Protection): It is the extended security dongle. Besides having the same characteristics of the PR model, it enables detecting fraudulent access attempts by means of an internal counter. To prevent the manipulation of the key it is possible to freeze the programmed data.

SP(Super Protection): It is the most sophisticated and suitable model for top-security applications. It has an internal memory that reaches up to 896 byte in the USB version, which can be accessed through a dual code; it is possible to internally define one's own fully-programmable security algorithm. Besides, like with the previous model, it allows to detect access attempts by means of an internal counter; to prevent any manipulation of the key it is possible to freeze the programmed data.

XM(Extra Memory): This model comes with the same top security characteristics the SP model features. It has an internal EEPROM of 8Kb. The device is available for USB ports only.

NET(Network security): It is the model for local network (LAN) applications. Aimed at protecting the software developed for local networks from any unauthorized usage, it enables controlling the number of users that are allowed to utilize the protected application simultaneously. The protection requires one single dongle on any network computer.

Models	FX	PR	EP	SP	XM	NET
Univocal code (id-code)	■	■	■	■	■	■
AES programmable codes	■	■	■	■	■	■
Algorithmic query	■	■	■	■	■	■
Additional 16-bit security codes		■	■	■	■	■
Internal programmable memory		64/128 byte (+)	64/128 byte (+)	896 byte(*)	8 Kb(*)	256/2048 appl.
Programming of session number		■	■	■	■	■
Restriction to number of access attempts through erroneous password			■	■	■	■
Counter of illegal access attempts			■	■	■	■
Freezing of programmed data			■	■	■	■
Programmable security algorithms				■	■	■
Local network protection with a single key						■
Programming of simultaneous user number						■

(+) DL model has 128 byte
*USB Version Parallel: 416 byte
**only for USB and USB-DL versions



LPT - USB - USB DL
Driverless

