



Professional solution for IT Security

WEB AUTHENTICATION

@Web Authentication

WebAuthentication is the USB device family that enables recognizing and authenticating the user of a Web-based application univocally and establishing protected and encrypted transactions with it on the Internet, Intranet and Extranet networks. Eutronsec tokens prove ideal for solving any management and replicability problems of user-name and password-based systems simply and functionally.

WebOTP is a solution available at the best price possible on the market and it allows secure authentication with a WEB server:

The main feature of this token is the possibility to send authentication information via the USB port of the computer without having to install any software and/or driver and without also any need for administrator privileges. The WEB server receives an authentication string that contains the user's ID and an incremental counter; it is absolutely secure thanks to double encrypting carried out with AES 256 bit algorithm by using first the user's private key and then the WEB server's.

WebOTptime uses the same technology of the base product with the addition of the time factor inside the authentication string though. Indeed the USB token contains a timer that is synchronized with the WEB server's. An even more secure solution then, ideal also for home banking projects.

WebIdentity is equipped with an authentication technology that is based on challenge/response information exchange between the USB device and the WEB server.

It has also an 8kb remotely updatable memory at disposal that allows exploiting the USB key for other application needs too, such as the protection of a software locally or the management of an electronic portfolio.

In addition to the WebIdentity features, **WebIdentity Combo** has also a partitionable flash memory at disposal which can reach 4GB and that enables saving any type of file on the same USB device, as it happens with a standard removable unit.



Technical requirements:

- **Operating systems:** Windows 98 or higher, Mac OSX, Linux 2.4 or higher
- **Supported browsers:** Internet Explorer, Firefox, Opera, Mozilla, Safari
- **Server:** The software developer's kit enables the integration with any Web authentication platform

MASS STORAGE

PicoDisk

PicoDisk is the family of high speed USB 2.0 memory keys, able to satisfy any data transportability need, thus guaranteeing optimum performance in terms of reliability, memory capacity and cryptographic protection with AES 256-bit algorithm.

- **USB 2.0 High Speed up to 35 MB/s**
- **Password protected**
- **Customizable Logo**
- **Advanced partition management**
- **Autorun supported**

For advanced projects PicoDisk 4CD is available, a version dedicated to software houses willing to make their own applications usable from a USB key. Indeed the device flash memory can be partitioned into 4 different logic unit typologies plus a hidden area, which will be combined by the software house according to their application needs.

- The autorun supporting CD partition can be accessed in read-only mode
- Mass Storage standard
- Encrypted Mass Storage, with AES 256 bit algorithm
- Read-only Mass Storage which can be rewritten by means of a dedicated library exclusively
- Hidden area where one's software most reserved information can be stored





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SOFTWARE PROTECTION

SmartKey

SmartKey is the hardware key for the protection of software applications with a high level of security and reliability. Well-known on the market for years now, it keeps being considered as a leading product for the safeguard of the intellectual property from hacker attacks, thanks to a continuously-updated driver library.

- › **Water- and shock-resistant**
- › **Memory up to 8kbyte**
- › **AES 128 bit Cryptography**
- › **Driverless**

SmartKey comes in 6 models, 5 of which can be used both via LPT port and USB; it meets all stand-alone and network application needs. The DL (driverless) version does not require any installation of drivers on the client.

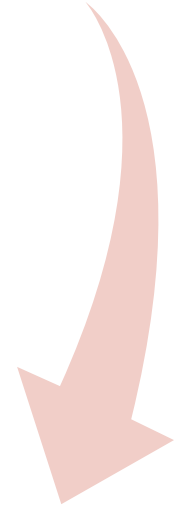
Specifications:

- **Protection:** algorithm and password
- **Access codes:** fixed or programmable 16+16 Bytes
- **Writing no.:** 100,000
- **Storage:** 10 years

SmartPico

SmartPico is a compact USB device that combines the SmartKey software protection characteristics with the storage handiness and data transfer features typical of PicoDisk. Each SmartPico is characterized by a unique code that is recognized by the software to be protected and that enables its proper working. The device can be operated also in autorun mode; it can be installed and used on SmartPico directly, thus making the solution fully portable.

- › **Water- and shock-resistant**
- › **SmartKey + Mass Storage partitionable up to 4 units**
- › **Flash Memory up to 8GB**
- › **Driverless**



PROTECTION OF DOCUMENTS



KeySec 3.0. is a supplementary module (plug-in) for Adobe® Acrobat® which enables protecting PDF documents by means of hardware keys for USB ports.

KeySec is made up of a "master" key, used for protecting the PDF documents, and of one or more "Reader" keys, having the function of making encrypted PDF documents visible to the authorized users only. The uniqueness of the hardware keys is decided and "created" by those who hand out the documentation, who will be able to use all standard security functions available in Adobe® Acrobat® extending the document validity control (expiry) both to the reader key and to the document itself.

All data that are programmed in such keys can be automatically transferred onto a dedicated server so as to enable the modification of such permits remotely and at all times, without any need of having the physical reader keys at disposal. KeySec is the ideal solution for all those who are in charge of managing, protecting and delivering reserved PDF format documents, such as price lists, manuals, reports, or who are in charge of distributing pay services, such as subscriptions to magazine, regulations or works in general.

- › **No Password to remember**
- › **High level protection**
- › **Water- and shock-resistant external shell**
- › **Small and easily portable**

