

Sentry® Secure Click

Introduction:

In today's highly connected business environment, the data on PC is the core asset of the companies and securing one's business critical data is a vital concern for every organization. According to the various reports, the main threat of hacking and loss of data comes from the internal sources only. With the rising theft and misuse of the data, it is critically important that only the right person has access to the data.

There are three levels of authentication for securing the critical data:

What do you know: Passwords and user name

What Do you have: ATM cards, Smart card or Hardware Lock

Who you are : Biometrics – Fingerprint, IRIS ,Face recognition

Where the password and other first level of security methods may deem to be weak or inconclusive in validating the credentials of an individual trying to access the critical data or files. The second level of authentication seems to be serve the purpose of providing security. It is the same as used in ATM card concept, where you know something and you have to show a physical device (what you have) which could be an ATM card, or an unique Hardware lock.

Using the second level of authentication, Sentry Secure Click protects the files and applications by encrypting and decrypting them.

About Sentry Secure Click:

Sentry Secure click application allows you to protect the privacy of your sensitive files by Encrypting / Decrypting files, using Sentry USB Key.

As the system is fully based on the physical device – Sentry USB Key there are no user-names to remember and passwords to forget.

Once the file has been encrypted, it can be stored even on insecure media and still remain secret. Later, the data can be decrypted into its original form. The encryption/decryption is very strong and virtually impossible to break , which is ensured by the two level authentication using the Sentry USB Key.

Sentry secure click will make sure that even if you are sharing your computer you can feel secure as your confidential files and private software cannot be accessed.

Every Sentry USB Key has a unique identity based on some parameters, stored inside the Sentry USB Key. Hence a file which is encrypted with one Sentry USB Key can not be decrypted with any other identity of Sentry USB Key.

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Specification for Sentry USB port Lock: -

- ✓ USB connectivity for true plug & play.
- ✓ Complaint with USB specification version 1.1
- ✓ Data transferring rate upto 1.5Mbit per Second.
- ✓ USB bus powered. No external power required.
- ✓ Powered by a8-bit micro-controller Engine.
- ✓ Stand by current consumption =25 microA approx.
- ✓ Real time clock (implemented without battery)
- ✓ User Non-volatile memory of 30 words (60 bytes) to store sensitive information.
Expandable upto 4054 words (8108 bytes)
- ✓ Unique inscribed 32 bit ID in the lock for different Developers.
- ✓ Every lock uniquely inscribed in the lock for production serial number.
- ✓ 10 Million Write operations permitted on each non-volatile memory cell with 10 years of Data Retention.
- ✓ Write cycle to any of the location = 10 ms max
- ✓ Estimated MTBF(Mean Time Between Failure) 15000 hours.
- ✓ Zero level of EMI/RFI
- ✓ Operating Systems support Win 98(SE) / ME / 2000 / XP.