INTRODUCTION

Nowadays, USB storage devices are very popular because of their ease of use and small size that make them easy to carry. But more information stored on these storages means more security concern. In other word, these high profit devices are root of lots of information leaks in the world. Hence, it's necessary to provide a solution to secure USB Storage Devices and prevent information leaks. This solution must cover confidentiality and authenticity of stored data.

Secure USB Storage is a suitable answer for the abovementioned problem. This product encrypts all data before storage and in data aces in later, first authenticates user by "Finger Print", "Password" or both of them and then decrypt store data.

GENERAL FEATURES

- Secure (Encrypted) storage of data
- Access control mechanism (to limit access to data by only authorized users)
- Dedicated storage space for security parameters (includes Key Bank, Username, Password)
- Multi factor authentication of users (Username, Password, Fingerprint)
- NTFS and FAT32 support

TECHNICAL FEATURES

- Hardware Features:
- USB Interface Support (USB 2.0)
- Plug and Play detection by OS
- Bus Powered (through USB)
- Based on HID driver standard, Mass Storage and CD Rom
- Separate USB and Micro USB Sockets
- Supports OTG cable and direct connection to Android smart phones
- Supports 8,16 or 32 GB storage
- Equipped with Swipe sensor (In Type 2 of product)
- Special design for easy fingerprint sense operation
- Hardware AES encryption support for maximum throughput
- Secure Storage of security parameters includes Key Bank, Fingerprint, Username and Password.
- Lock Bit support (prevents code fetch from processor)
- Brute Force Protection

SOFTWARE FEATURES

- Supports Windows XP and provides integrated User Interface for ease of use.
- Provides Android specific User Interface for ease of use in smart phones.
- Username, Password and Fingerprint management through friendly UI.
- Authorized Computer system policy management through friendly UI
- Supports definition of up to 10 fingerprints(In Type 2 of product)
- Password length policy (at least 8 character)
- Force users to change password on first logon
- Fingerprint visual display
- Reach Toolkit.
- Proper alarms and messages for user awareness from system status
- English Language Support

Feature Comparison Table

row	Feature Subject	Type 1	Type 2
1	Key Bank Capacity	16 KB	16 KB
2	Encryption Key Length	256bit	256bit
3	Secure Storage Capacity	8, 16 or 32 GB	8, 16 or 32 GB
4	OS	Win, Android	Win, Android
5	File System Support	NTFS, FAT32	NTFS, FAT32
6	Encryption Algorithm	AES	AES
7	Language	English	English
8	Dimension	62*17*9	62*17*9
9	Fingerprint Module	-	Yes
10	Computer Access Policy	-	Yes

COMMUNICATION AND IT