

Press release

Aug22, 2005

BeyondLSI releases a low cost and highly secure USB fingerprint authentication key

Tokyo, Japan (Aug22, 2005) BeyondLSI (BLSI), the world leading fingerprint technology company, today announced the release of BL-Fkey, a USB fingerprint authentication key on Sep1, 2005. With BeyondLSI's advanced fingerprint technology, BLSI offers a low cost, compact size, and the highest security authentication USB key to the market.

BeyondLSI's Fkey scans, registers, stores, and matches a fingerprint on board (Match-on-board). Unlike other fingerprint authentication keys (PC-based matching), a matching program and your personal fingerprints data will be kept inside of Fkey. It is extremely difficult for others to steal or attack your fingerprint data. Fkey provides greater security and solves security weakness of PC-based authentication devices.

BLSI has developed its own fingerprint authentication chip (FCHIP). Fingerprint authentication processing is performed inside of FCHIP, and authentication result is secured with encryption. By using FCHIP connecting with various sweep or single-touch fingerprint sensors, it is easy to make a compact fingerprint authentication system. Secure data are transferred between FCHIP and user's interface.

Fkey applications:

- PC Security
 - Windows login: Provides protection from illegal attempts to login.
 - File/Folder Encryption: Uses a temporary encryption key related to fingerprint template to encrypt a file or folder.
 - Screen Lock: When a PC operation is idle for a specified period of time; the PC is automatically locked.
- Personal verification
 - Windows server login, network domain login
 - Access control of web-based services, application, and contents, etc.

Specification:

- Host Interface : USB1.1 compliant
- Power supply : USB bus-powered (4.5V to 5.5V)
- FAR = 0.01% FRR = 1%

- Users template capacity: 10
- Fingerprint Sensor : Swipe sensor (Fujitsu MBF310)
- Size : 25(W) x 76(D) x 12(H) mm
- Supported OS : Microsoft Windows XP(SP1, SP2), 2000(SP3, SP4)

BeyondLSI will demonstrate Fkey features and applications at AutoIDExpo (BiometricsExpo) in September(14-15) in Tokyo, Japan.

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【About BeyondLSI】

BeyondLSI group has been conducting in-house development, custom design, joint venture development, consulting, LSI development and design, and related products marketing for biometrics products. The BeyondLSI group's core technology is an original fingerprint authentication algorithm based on a research from Kunieda Laboratory of Tokyo Institute of Technology. While the unit fingerprint data size is the smallest in world (64 bytes), the authentication program operates with less memory as compared with similar products from other companies.

【Fkey product image】



Design Registration has been applied