



Bergdata Fingerprint Biometrics Software Development Kit *for host-dependend devices*

Name of product:

FP-SDK-HDW-FC SDK version for Windows
FP-SDK-HDX-FC SDK version for Linux

General description:

Software Development Kit for fingerprint biometrics with Bergdata USB Fingerprint Scanners and various 3th party products. The SDK let you easily build your individual biometrics enabled security application.

Features:

- Easy to implement
- Fast and reliable
- Low system performance and memory requirements
- Provides quality measures for fingerprint images and templates
- Provides individual adjustment for each fingerprint
- Provides 3 template types for best performance in any kind of application
- Provides Generic Scanner Driver: simply select any of the supported scanners by it's ID-number
- Available for Windows and Linux
- Available for hyperstone E1, ARM 9, TMS 360, other DSP's on inquiry
- SDK for other target systems upon enquiry
- Certified by Atmel for FingerChip(TM) sensors

General Specifications:

- Completely developed in ANSI-C
- Minutiae based algorithm
- Supported sensors: Atmel FingerChip(TM) (default), Fujitsu MBF200, AuthenTec
- Template size 300...500 byte typical (depends also on template type)
- Verification time: <0.15 sec
- Identification time: <1 sec from 2000 templates
- FAR<0.01%, FRR<1%, FER<0.1% (depends on system adjustment and sensor)
- Adjustable by system threshold and individual threshold for each template
- 3 template types available for optimized performance in any application
- ISO templates read-mode compatible



Included:

All library and header files for the Bergdata Fingerprint Identification System (*bdfis*) and Bergdata's Generic Fingerprint Scanner Driver (*bddrv*), documentations as PDF-files, sample code, Pascal-units for Borland Delphi support, Bergdata Biometric Test Center (BTC) as demo application (Windows), USB Fingerprint scanner with FingerChip sensor and USB-drivers/modules, 1 software license for personal use of the software on one computer, 1 year development support and one free update for biometric engine (by email). The SDK for Linux includes the source code of the USB driver module for support of the various distribution and kernel versions.

Miscellaneous:

- BDU-310 USB Scanner with Fujitsu MBF200 sensor available
- DGID-300 Stand-alone biometric device available
- Fingerprint scanners with other sensors upon enquiry
- OEM software redistribution license fee table upon enquiry

Applications:

Biometric user identification and verification, database applications, access control on PC for login and for confidential documents and data, SmartCard applications, security applications in airports, banks, offices, laboratories, hospitals, ...