eNBSP SDK

Windows edition V4.0

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eNBSP SDK 4.0 is a Software Development Kit, combining the existing BSP(Biometric Solution Provider) SDK and 1:N fingerprint identification engine not only for a regular fingerprint application but also for an application using fingerprint DB of large capacity with high fingerprint search speed.
It provides High Level API (Application Programming Interface) which allows easy and swift implementation of software and UI(User Interface) of wizard type so that it saves users time and efforts in developing an application. It is operated on various platforms, supporting various operating systems and development languages and connected to other fingerprint identification devices manufactured based on advanced hardware design technology of NITGEN. It not only offers optimal conditions for development of fingerprint identification-related solutions with sophisticated fingerprint identification algorithm inside, but also guarantees high fingerprint search speed and high identification ratio.

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Features

- Provides optimal API for fingerprint recognition software development.
- Provides easy implementation for UI(User Interface) of wizard type.
- With the introduction of the fingerprint enrollment/ authentication Wizard, it allows convenient and fast development capability.
- Fast 1:N Matching function
  - Indexing search : medium / small size (a fundamental form)
  - eNSearch : large / medium size (Requires additional License fee)
- Maximize fingerprint enrollment up to 10 fingerprints / 1person.
- Applicable to Client / Server environment and the Web.
- Support NET environment for new application development.
- Make UI customization easy by providing user interface for skin concept to minimize cost and time spent for UI development.
- Safe management of fingerprint information using 128bit encryption algorithm.
- Support various fingerprint image conversion (BMP, JPG, WSQ etc.).
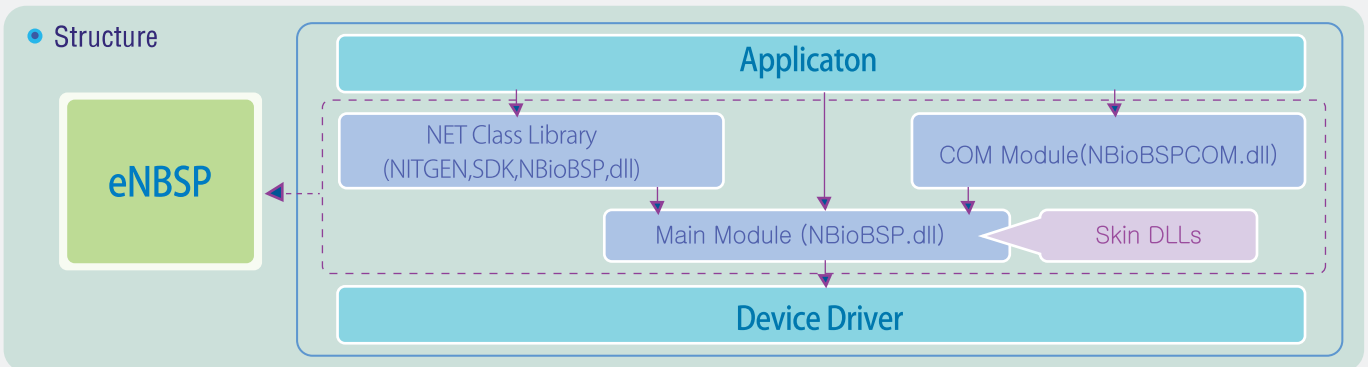
Functions

- Device control
- Fingerprint data capture
- Minutia extraction
- Fingerprint registration
- Fingerprint authentication (1:1, 1:N)

Development Environment

ITEM	SPECIFICATION	
	eNBSP SDK	eNSearch
Support OS	Window 95 / 98 / NT4.0 / 2000 / XP	Window NT / 2000 / XP
PC	Pentium or higher	Pentium II 400Mhz, 256 or higher
Development Language	VC++, VB, ASP, Delphi, NET, etc	
Web Server	IIS 4.0	
Web Browser	IIS 5.0	

New functions & changed items

- Provide a .NET Class Library for Microsoft .NET.
- Provide a sample program for various development languages.
- Evaluation version can be converted into a registered one by patching without reinstallation.
- Support various fingerprint image conversions (BMP, JPG, WSQ etc.) by providing an image conversion module.
- A fast 1:N matching function (Index Search, eNSearch Engine).

Structure

1:N Matching Engine

ITEM	eNSearch Engine	Index Search	Remark
Search time	A regular speed, About 0.31 second	Irregular speed, About 0.85 second	5,000 users
System	Pentium II 400Mhz, 256M or later	Pentium or later	
User	Less than 20,000 users	Less than 5,000 user	1Template / 1user
Applications	Medium/Small size,Small AFIS	Medium/Small size, Customer management	
License	Up to 5000users(Required additional license fee for than 5000 users)	A fundamental form	

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