

eNBSP

eNBSP SDK 4.0 is a Software Development Kit, combining the existing BSP (Biometric Solution Provider) SDK 3.0 and 1:N fingerprint recognition 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 recognition devices manufactured based on advanced hardware design technology of NITGEN. It not only offers optimal conditions for development of fingerprint recognition-related solutions with sophisticated fingerprint recognition algorithm inside, but also guarantees high fingerprint search speed and high recognition ratio.

Features

- Provides optimal API for fingerprint recognition software development.
- Provides which help application software easily and UI (User Interface) of wizard type.
- With the introduction of fingerprint enrollment/ authentication Wizard, it allows convenient development condition.
- 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.
- Supports NET environment for new application development.
- Makes UI customization easy by providing user interface of skin concept to minimize cost and time to be spent for UI development.
- Safe management of fingerprint information using 128bit encryption algorithm.
- Support various fingerprint image conversion (BMP, JPG, WSQ etc.).
- **FAR:** 0.001% **FRR:** 0.1%

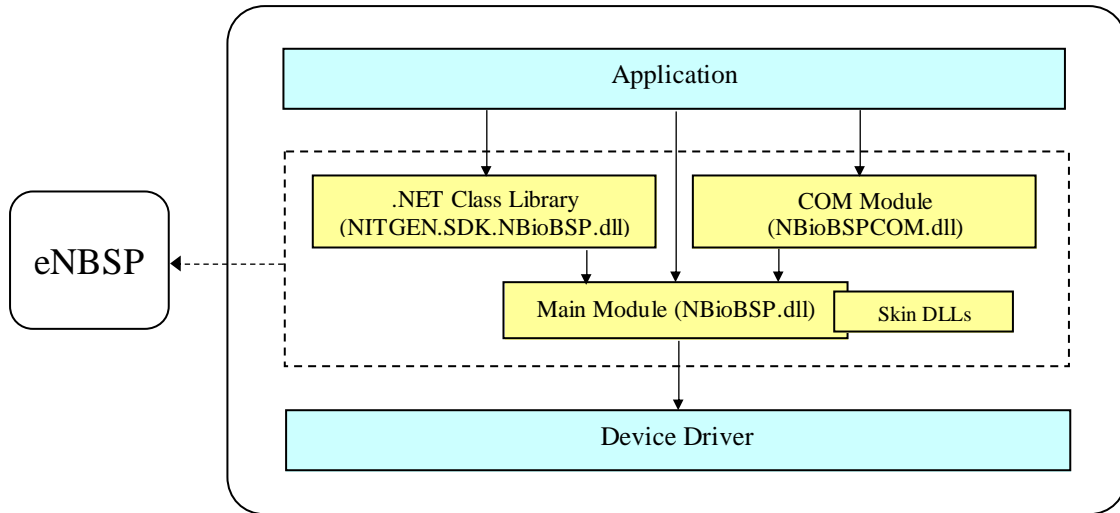
Functions

- Device control
 - Fingerprint data capture
 - Minutia extraction
 - Fingerprint registration
 - Fingerprint authentication (1:1, 1:N)
- * 1:N matching engine (eNSearch) requires additional license fee.

Development Environment

Item	eNBSP	eNSearch (Option)
Support OS	Windows 95/98/2000/Me, XP ,NT (.NET:2000/XP)	Windows 2000 / NT/ XP
PC	Pentium or later	Pentium II 400Mhz, 256M or later
Development Language	VC++, VB, ASP, Delphi, .NET, etc	
Web Server	IIS 4.0	
Web Browser	IE 5.0	

Structure



1:N Matching Engine

Item	eNSearch Engine
Search time	A regular speed, About 0.31 second
System	Pentium II 400Mhz, 256M or later
User	Up to 5000 fingerprints included in standar license. Expandable up to 20.000 fingerprints or more using eNSearch.
Applications	Large/Medium size, Small AFIS
License	Up to 5000 users (Required additional license fee for than 5000 users)

*1:N matching engine (eNSearch) required additional license fees.