



Mobile Fingerprint Matching Software

PRODUCT

CDI Mobile Fingerprint Matching Software



Fingerprint identification systems are historically developed on PC based platform, although modern community policing and law enforcement correctional facilities require an officer to identify individuals in a field setting.

Today, there are embedded and handheld mobile devices with biometric capabilities.

The hardware of embedded systems combine a fingerprint sensor and display screen with sufficient processing power and memory for CDI to develop fast and reliable fingerprint matching software on the mobile device.

The CDI Mobile Fingerprint Matching Software can be customized with user defined workflows to integrate the system into your existing business practices.

CDI Mobile Fingerprint Matching Benefits

- Full tolerance to fingerprint translation, rotation and deformation
- Ability to run on low speed processors
- Ability to identify fingerprints without the core and/or delta present
- Enrollment with features generalization that combines multiple samples of the same fingerprint for better quality
- Identification (1:N) ability
- Pre-sorting database entries using certain features for faster identification

Main Features

- Reliable algorithm for local identification on mobile devices
- Supports low-speed processors
- Identification capable in addition to verification up to 700 fingerprints per second
- Fingerprint processing in under one second
- Compact software requires less than 400kb of memory
- Portable to various processor platforms and architectures
- Supports Windows CE
- Supports Android