° P R O D U C T

CDI Mobile Fingerprint Matching Software
CDI-MID-FPM

CDI Mobile Fingerprint Matching BENEFITS
- Full tolerance to fingerprint translation, rotation and deformation;
- Ability to run on low speed processors;
- Ability to recognize a fingerprint from any part of it without any core or delta points;
- Enrollment with features generalization, that combines several samples of the same fingerprint for better quality;
- Identification (1:N) ability;
- Pre-sorting database entries using certain features for faster identification.

Fingerprint identification systems have been usually developed on PC platform, although some tasks required a compact solution. Nowadays various embedded and handheld mobile devices offer enough capabilities to integrate biometric recognition software into them.

The hardware part of an embedded system is mostly a stand-alone device that contains processor, memory, fingerprint scanner and some output display. This part can be developed according to project's specifics, or a ready-to-use device can be obtained. There is no need to start a sophisticated and costly fingerprint recognition technology development, as it can be licensed for a reasonable price. Additionally, there are technologies optimized for the capabilities of embedded or mobile devices. CDI Mobile Fingerprint Matching Software offers the embedded fingerprint identification technology that is suitable to develop a fast and reliable system on embedded or mobile platform.

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