

DigitalPersona® SDK

Gold CE



DigitalPersona SDKs provide the tools for developers to create a new generation of commercial and internal applications delivering the convenience, security and biometric assurance of fingerprint authentication. From time and attendance, process control, point of sale to business applications, the DigitalPersona SDKs allow developers to quickly integrate fingerprint authentication into their software and hardware designs.

Easy, fast way to integrate biometrics into applications for commercial and internal uses:

- **Authenticate users reliably and conveniently.**
- **Simplify and enhance security.**
- **Streamline business processes.**
- **Address compliancy concerns.**
- **Reduce password management costs.**

The DigitalPersona Gold CE Software Development Kit (SDK) enables integrators and developers to quickly add the power of fingerprint-based authentication to their Microsoft® Windows-based applications.

Easy to Use Toolkits

In only a few hours, developers easily integrate fingerprint authentication within their application and have access to a full range of authentication services for their PC or PDA solution. Sample code is included to illustrate the capturing of a fingerprint, extracting a fingerprint template and matching fingerprint templates.

Programming Options

The DigitalPersona Gold CE SDK supports eMbedded Visual C++.

Fingerprint Recognition Engine

The DigitalPersona Fingerprint Recognition Engine provides the basic functionalities of fingerprint feature extraction, registration and matching. The DigitalPersona Engine combined with DigitalPersona U.are.U® readers, offers the industry's most accurate fingerprint recognition coupled with fast execution time.

Security and Privacy

DigitalPersona has given much consideration to security and user privacy issues. Fingerprint data is encrypted offering protection from tampering and maintaining user's privacy.

Supported Fingerprint Readers

The DigitalPersona Gold CE SDK supports the standalone U.are.U 4000B Reader and the U.are.U 4000B Module designed for integration with OEM equipment.

Proven Technology

DigitalPersona is the trusted leader in biometrics. DigitalPersona's proven fingerprint authentication technology can be found in custom applications around the world. Examples include banking applications in Mexico, point of sale terminals in US retail chains and restaurants, and healthcare industries.



System Requirements

Operating System Windows CE .NET 4.2, 5.0, 6.0

Hardware XScale (ARM V4, ARM V4I, ARM 9), x86, SH4, USB Port

Development Environment

eMbedded Visual Studio C++ Yes

Programming Interface

"C" interface

User Interface

Developer creates own custom user interface.

Fingerprint Registration

Developer creates own custom application.

Fingerprint Readers

Supports DigitalPersona U.are.U 4000B Reader and U.are.U 4000B Module

Security

Fingerprint templates are encrypted by the engine.

Performance

The Gold CE SDK offers highly accurate recognition and fast execution time. Please request a white paper for details.

Application Deployment

DigitalPersona Gold CE Fingerprint Recognition Software required and available separately. U.are.U Readers are not included with SDK purchase.

