

U.are.U[®] SDK for Windows CE[®]

U.are.U SDKs provide 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 to process control, point of sale and business applications, U.are.U SDKs allow developers to quickly integrate fingerprint authentication into their software and hardware designs.

USE CROSSMATCH FINGERPRINT BIOMETRICS TO:

- Authenticate users reliably and conveniently
- Prevent fraud
- Simplify and enhance security
- Streamline business processes
- Address compliancy

PRODUCT DESCRIPTION

The U.are.U Software Development Kit (SDK) for Windows[®] CE enables integrators and developers to quickly add the power of fingerprint-based authentication to their Windows-based applications. Crossmatch offers powerful SDKs which feature accurate, high performing fingerprint authentication algorithms.

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.

FINGERPRINT RECOGNITION ENGINE

The FingerJet[™] biometric matching engine provides MINEX-certified feature extraction, as well as enrollment. The FingerJet matching engine, combined with U.are.U Fingerprint Readers, offers accurate fingerprint recognition, low false accept and false reject rates (FAR/FRR) coupled with fast execution time.

STANDARDS SUPPORT

The U.are.U SDK for Windows CE fully embraces image and template standards. In addition, the FingerJet matching biometric engine now features a MINEX-certified extractor. This new direction provides developers with the flexibility to make unfettered choices of matching algorithms and the ability to comply with a growing customer requirement for standards support.

ABOUT CROSSMATCH

Crossmatch[®] solutions solve security and identity management challenges for hundreds of millions of users around the world. Our proven DigitalPersona[®] Composite Authentication solution is designed to provide the optimal set of authentication factors to meet today's unique risk requirements and afford complete enterprise authentication coverage. Crossmatch identity management solutions include trusted biometric identity management hardware and software that deliver the highest quality and performance required for critical applications. Our solutions support the financial, retail, commercial, government, law enforcement and military markets. With 300 employees and customers in more than 80 countries, Crossmatch sets the standard for innovation and reliability.

Learn more: Crossmatch.com

SPECIFICATIONS

Development Environment	eMbedded Visual Studio [®] C++
Programming Interface	ANSI C, C++, C#, .NET
User Interface	Developer creates own custom user interface
Fingerprint Registration	Developer creates own custom application
Fingerprint Readers	<ul style="list-style-type: none"> • U.are.U 4500 Series • U.are.U 51XX Series
Template Interoperability	Template format compatible with: <ul style="list-style-type: none"> • One Touch[®] for Windows SDK, all previous editions • One Touch for Linux[®] SDK, all distributions • One Touch I.D. SDK (fast identification) • DigitalPersona Gold and Gold CE SDKs • ISO/IEC 19794-2:2005, Biometric data interchange format • ANSI/INCITS 378-2004 Finger minutiae data format
Fingerprint Image	<ul style="list-style-type: none"> • DigitalPersona Fingerprint Image Format • ISO 19794-4:2005, Fingerprint Image Standard • ANSI/INCITS 381-2004. Finger Image Based Interchange Format
Biometric Engine	FingerJet <ul style="list-style-type: none"> • MINEX certified extraction engine
Security	<ul style="list-style-type: none"> • Fingerprint templates are encrypted by the engine. • The fingerprint reader sets up an encrypted link with the driver to securely transfer the image

SYSTEM REQUIREMENTS

Operating System	Windows CE 6.0, 6.1, 6.5
Hardware	X 86, ARM [®] V41, USB Port

Data subject to change without notice

SUPPORTED FINGERPRINT READERS

- U.are.U 4500 Series
- U.are.U 51XX Series

SECURITY AND PRIVACY

- Fingerprint data is encrypted offering protection from tampering and maintaining the user's privacy

PROGRAMMING OPTIONS

- The U.are.U SDK for Windows CE supports eMbedded Visual C++

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