

U.are.U[®] SDK for Android™

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 Android enables integrators and developers to quickly add fingerprint-based authentication to their Android applications. Crossmatch™ offers powerful SDKs which feature accurate, high performing fingerprint authentication algorithms.

EASY TO USE TOOLKITS

In only a few hours, developers can easily integrate fingerprint authentication into their Android applications. Sample code is included to help programmers quickly understand how to capture a fingerprint, extract a fingerprint template and match fingerprint templates. Detailed documentation enables fast integration of secure fingerprint biometrics into customer-friendly applications. Crossmatch offers technical support services to guide you through a stress-free implementation.

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 Android fully embraces image and template standards. In addition, the FingerJet matching engine features a MINEX-certified extractor. This 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 helps organizations solve their identity management challenges through biometrics. Our enrollment and authentication solutions are trusted to create, validate and manage identities for a wide range of government, law enforcement, financial institution, retail and commercial applications. Our solutions are designed using proven biometric technologies, flexible enrollment and strong multi-factor authentication software, and deep industry expertise. We offer an experienced professional services capability to assess, design, implement and optimize our identity management solutions for a customer's individual challenges. Our products and solutions are utilized by over 200 million people in more than 80 countries.

Learn more at www.crossmatch.com

SPECIFICATIONS

Programming Interface	ANSI C, C++ and Java [®]
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 5000 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 Data Interchange Format
Biometric Engine	FingerJet <ul style="list-style-type: none"> • MINEX certified extraction engine • 1:1, 1:n
Database	Developer may use a database of their choice.
Application Deployment	FingerJet Fingerprint Recognition Software (Runtime Engine) is supplied with the SDK. U.are.U hardware is not included with SDK.

SYSTEM REQUIREMENTS

Android System	Android kernel support 4.x (Ice Cream Sandwich and above)
Android Hardware	ARM [®] v7, 800 MHz and above
Development System	Linux

Data subject to change without notice

SUPPORTED FINGERPRINT READERS

- U.are.U 5000 Series

PROGRAMMING OPTIONS

- The U.are.U SDK for Android supports ANSI C, C++ and Java language interfaces. The flexibility of the U.are.U SDK for Android enables developers to embed fingerprint-based authentication in a wide variety of Android applications.

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