

U.are.U[®] SDK for Linux[®]

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 Linux enables integrators and developers to quickly add the power of fingerprint-based authentication to their Linux 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 application and gain access to a full range of authentication services for their PC, embedded computer, POS terminal or server solution. Sample code is included to help programmers quickly understand how to capture a fingerprint, extract a fingerprint template and match fingerprint templates. Detailed documentation and workflow diagrams enable fast integration of powerful 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 Linux fully embraces image, template and compression standards. In addition, the FingerJet matching 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 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	C, C++, Java® and JavaPOS
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 5000 Series • U.are.U Fingerprint Keyboard
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
Image Compression/Quality	<ul style="list-style-type: none"> • WSQ/NFIQ (support for Aware and NIST libraries)
Database	Developer may use a database of their choice
Security	Fingerprint templates are encrypted by the engine
Application Deployment	FingerJet Fingerprint Recognition Software (Runtime Engine) is supplied with the SDK and freely distributable. U.are.U hardware is not included with SDK

SYSTEM REQUIREMENTS

Operating System	<ul style="list-style-type: none"> • Ubuntu® 10.04, 11.04, 12.04 (32-bit/64-bit) • OpenSUSE® 11.3, 11.4, 12.1 (32-bit/64-bit) • Fedora® 14, 15, 16 (32-bit/64-bit) • Support for the Linux kernels from Linux 2.6.32 through 3.2 (32-bit/64-bit)
Hardware	<ul style="list-style-type: none"> • CPU: X86, X64, ARM EABI • CD-ROM drive, USB Port

Data subject to change without notice

SUPPORTED FINGERPRINT READERS

- U.are.U 4500 Series
- U.are.U 5000 Series
- U.are.U Fingerprint Keyboard

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 Linux supports C, C++, Java and JavaPOS language interfaces. The flexibility of the U.are.U SDK for Linux enables developers to embed fingerprint-based authentication in a wide variety of application front ends.

SignTech- Colombia
www.signtechbiometric.com
info@signtechbiometric.com
 Tel: (578) 515 0472