



DigitalPersona[®] Biometric SDK for Android[®]

DigitalPersona Biometric 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, DigitalPersona Biometric SDKs allow developers to quickly integrate fingerprint authentication into their software and hardware designs.

USE HID FINGERPRINT BIOMETRICS TO:

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

The DigitalPersona Biometric Software Development Kit (SDK) for Android enables integrators and developers to quickly add fingerprint-based authentication to their Android applications. HID Global 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. HID Global offers technical support services to guide you through a stress-free implementation.

FINGERPRINT MATCHING ENGINE

The DigitalPersona FingerJet matching engine, combined with DigitalPersona Fingerprint Readers, offers accurate fingerprint recognition, low false accept and false reject rates (FAR/FRR) coupled with fast execution time.

STANDARDS SUPPORT

The DigitalPersona Biometric SDK for Android fully embraces image, template, and compression standards. 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.



SUPPORTED FINGERPRINT READERS AND MODULES

- DigitalPersona 4500
- DigitalPersona 5000 Series
- EikonTouch 510
- EikonTouch 710
- Nomad 30 Module
- Nomad 30 Pocket Reader

SECURITY AND PRIVACY

The DigitalPersona Biometric SDK does not track, store, log, or collect images, user data or activity. This helps protect the privacy of the person using the readers.

PROGRAMMING OPTIONS

The DigitalPersona Biometric SDK for Android supports the Java language interface. The flexibility of the DigitalPersona Biometric SDK for Android enables developers to embed fingerprint-based authentication in a wide variety of Android applications.

SPECIFICATIONS

Product Name	DigitalPersona® Biometric SDK for Android®
Programming Interface	Java®
User Interface	Developer creates own custom user interface
Fingerprint Registration	Developer creates own custom application
Fingerprint Readers and Modules	<ul style="list-style-type: none"> • DigitalPersona 5000 Series • DigitalPersona 4500 • EikonTouch 510 • EikonTouch 710 • Nomad 30 Module
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"> • 1:1, 1:n
Image Compression/Quality	WSQ/NFIQ – NIST algorithm included; support for Aware library available
Security	The fingerprint reader sets up an encrypted link with the driver to securely transfer the image (only DigitalPersona 4500)
Database	Developer may use a database of their choice
Application Deployment	FingerJet Fingerprint Recognition Software (Engine Runtime Libraries) is supplied with the SDK and is freely distributable. DigitalPersona hardware is not included with SDK

SYSTEM REQUIREMENTS

Operating System	Android versions supported: 5, 6, 7 and 8
Hardware	ARM EABI, ARM V8, Intel x86
Development System	Linux and Windows

Data subject to change without notice.



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