



# DigitalPersona<sup>®</sup> Biometric SDK for Android<sup>®</sup>

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**

<b>Product Name</b>	DigitalPersona® Biometric SDK for Android®
<b>Programming Interface</b>	Java®
<b>User Interface</b>	Developer creates own custom user interface
<b>Fingerprint Registration</b>	Developer creates own custom application
<b>Fingerprint Readers and Modules</b>	<ul style="list-style-type: none"> <li>• DigitalPersona 5000 Series</li> <li>• DigitalPersona 4500</li> <li>• EikonTouch 510</li> <li>• EikonTouch 710</li> <li>• Nomad 30 Module</li> </ul>
<b>Template Interoperability</b>	Template format compatible with: <ul style="list-style-type: none"> <li>• One Touch® for Windows® SDK, all previous editions</li> <li>• One Touch for Linux® SDK, all distributions</li> <li>• One Touch I.D. SDK (fast identification)</li> <li>• DigitalPersona Gold and Gold CE SDKs</li> <li>• ISO/IEC 19794-2:2005, biometric data interchange format</li> <li>• ANSI/INCITS 378-2004 finger minutiae data format</li> </ul>
<b>Fingerprint Image</b>	<ul style="list-style-type: none"> <li>• DigitalPersona fingerprint image format</li> <li>• ISO 19794-4:2005, fingerprint image standard</li> <li>• ANSI/INCITS 381-2004, finger image-based data interchange format</li> </ul>
<b>Biometric Engine</b>	FingerJet <ul style="list-style-type: none"> <li>• 1:1, 1:n</li> </ul>
<b>Image Compression/Quality</b>	WSQ/NFIQ – NIST algorithm included; support for Aware library available
<b>Security</b>	The fingerprint reader sets up an encrypted link with the driver to securely transfer the image (only DigitalPersona 4500)
<b>Database</b>	Developer may use a database of their choice
<b>Application Deployment</b>	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**

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

Data subject to change without notice.



[hidglobal.com](http://hidglobal.com)

North America: +1 512 776 9000

Toll Free: 1 800 237 7769

Europe, Middle East, Africa: +44 1440 714 850

Asia Pacific: +852 3160 9800

Latin America: +52 55 9171 1108

For more information, please [click here](#).

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