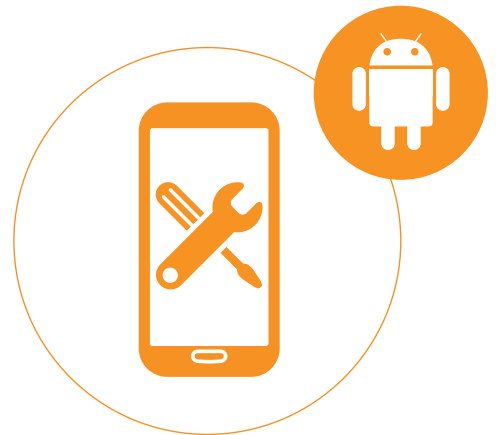# PRECiSE™
BIOMETRICS

PRECISE MOBILE TOOLKIT FOR ANDROID

Android SDK For Integrating Smart Card & Fingerprint Functionality Using Tactivo™ mini

Two strong authentication options are now available for Android apps. With the new Tactivo™ mini for Android and the Precise Mobile Toolkit, Android apps can benefit from smart card and fingerprint functionality for strong authentication. The easy-to-use Precise Mobile Toolkit for Android enables app developers to integrate this functionality into virtually any app.

Tactivo mini Support
Utilizing Tactivo mini from Precise Biometrics, developers can add strong authentication to their existing Android offerings or migrate existing smart card or biometric solutions to Android devices.

Smart Card and Fingerprint Authentication
Solutions can be developed for Tactivo mini to use smart card, fingerprint matching or both to verify card integrity and authenticity, verify cardholder identity, control access to applications or application data stored on the Android device or even control access to remote services such as messaging, websites or others in the cloud.

Easy-to-use API and Sample Code
The toolkit is designed to make implementation of Android solutions for smart cards and fingerprints as simple and straight forward as possible while keeping similarities to the other mobile toolkits from Precise Biometrics. It has a Java API and, to jumpstart development, it includes sample examples for both smart card utilization and fingerprint enrollment and verification. The added functionality can be directly integrated into other apps requiring minimal resources.

Centralized Fingerprint Enrollment
A device owner database, as implemented in the "Tactivo Manager" app, makes it possible (but not mandatory) to have a centralized storage of fingerprint templates on the device so that fingerprint enrollment doesn't have to be implemented in each individual app utilizing fingerprint verification.

Government Compliance
Precise Mobile Toolkit for Android and Tactivo mini are ideal for developers working in the U.S. government markets. Tactivo mini supports smart card credentials including PIV, PIV-I, CAC and TWIC.

No License Fee
The Precise Mobile Toolkit for Android is available subject to license agreement from Precise Biometrics at no cost to developers. To request a free toolkit, please contact your local Precise Biometrics representative or send a mail to sales@precisebiometrics.com.

www.precisebiometrics.com

Precise Biometrics AB   Mobilvägen 10, 223 62 Lund, Sweden
Tel: +46 46 31 11 00, sales@precisebiometrics.com

Product Features

» **Toolkit to integrate Tactivo mini functionality in Android apps**
» **Access smart card reader, fingerprint sensor or both**
» **Java API for smart card and fingerprint interaction**
» **Centralized storage of fingerprints that can be accessed by different apps (optional)**
» **Support for both Match-on-Device and Match-on-Card**

The Toolkit includes

» **Example code for smart card applications**
» **Example code for enrollment and verification of fingerprint**
» **Documentation for developers**

System Requirements

» **Android version 4.0 or greater**
» **Android device supporting USB OTG (On-The-Go)**

Tactivo mini Smart Card Reader

» **Supports ISO 7816-4, T=0 & T=1, Class A & B (5V and 3V)**
» **Supports PIV, PIV-I, CAC and TWIC cards**
» **Supports Precise Match-on-Card**

Tactivo mini Biometric Reader

» **Capacitive swipe sensor**
» **Standardized template format, ISO/IEC 19794-2 CC/ANSI 378**
» **Precise BioMatch™ J template format (Match-on-Card)**

Related Products

» **Tactivo for iPad Air/Air2**
» **Tactivo for iPad mini/mini 2/mini3**
» **Tactivo for iPad (4th generation)**
» **Tactivo for iPad (3rd generation)/iPad 2**
» **Tactivo for iPhone 6s/6**
» **Tactivo for iPhone 5s/5**
» **Tactivo for iPhone 4s/4**
» **Tactivo mini for iOS**
» **Tactivo mini for Android**
» **Precise iOS Toolkit**
» **Guardian Case for Tactivo for iPad Air/Air2**
» **Guardian Case for Tactivo for iPad mini/mini 2/mini3**

» **Learn more about Tactivo**

www.precisebiometrics.com/mobile-smart-card-readers

» **Discover our Partner Ecosystem**

www.precisebiometrics.com/technology-partners

www.precisebiometrics.com

PRECiSE™
BIOMETRICS

Precise Biometrics AB   Mobilvägen 10, 223 62 Lund, Sweden
Tel: +46 46 31 11 00, sales@precisebiometrics.com