

FT-JCOS BioCARD

USER MANUAL



IMPORTANT

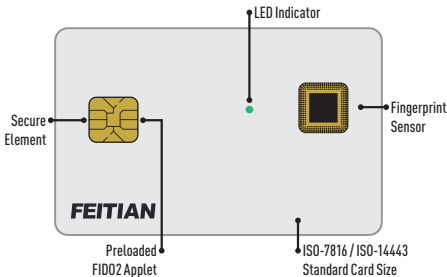
*The fingerprint enrollment methods introduced in this document are **FOR DEMONSTRATION PURPOSES ONLY.***

OVERVIEW

FT-JCOS BioCARD is a new generation smart card with an embedded fingerprint sensor on it, offering users a more secure and convenient identification method using biometrics instead of a PIN.

FT-JCOS BioCARD can be used in a wide range of applications such as banking, government, transportation, enterprise.

By introducing a fingerprint sensor, biometric API can be invoked by applets to protect sensitive information. This documentation shows the user how to enroll a fingerprint.



Note:

There is no battery inside.

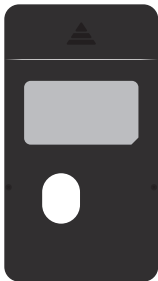
FINGERPRINT ENROLLMENT WITH OFFLINE SLEEVE

Note:

A reference video is available at:
https://www.ftsafe.com/download/webdownload/Finger_enroll_Sleeve.mp4



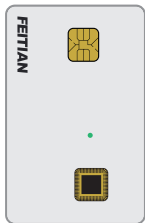
Offline sleeve is a hardware device that can be used to enroll fingerprint for FT-JCOS BioCARD.



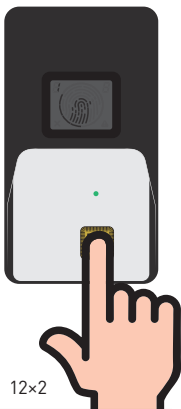
Insert the FT-JCOS BioCARD into the sleeve.



Insert ↑



Enroll two fingerprints.
The sleeve requests to
rest and lift your finger
12 times for each
fingerprint. Once
successfully enrolled the
first fingerprint, it will
automatically proceed to
the second fingerprint
enrollment process till
both fingerprints are
enrolled.



12x2



Finger 1



No. 1

...



No. 11



No. 12



Finger 2



No. 13

...



No. 23



Done

The upper left and upper right indicate the number of fingerprints



In case battery is dead, user is able to replace it.



FINGERPRINT ENROLLMENT THROUGH MOBILE NFC

Note: —

A reference video is available at:

https://www.ftsafe.com/download/webdownload/Finger_enroll_NFC.mp4



Download and install the FEITIAN FT-JCOS **BioCARD Manager** app from App Store or Google Play by scanning the corresponding QR code or click the icon below.



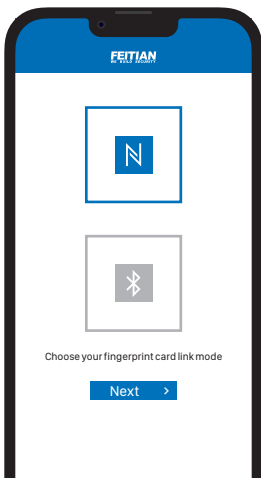
Download on the
App Store



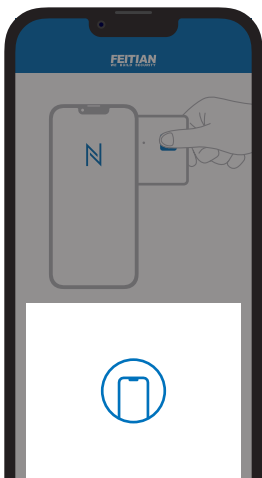
GET IT ON
Google Play

Enroll a fingerprint

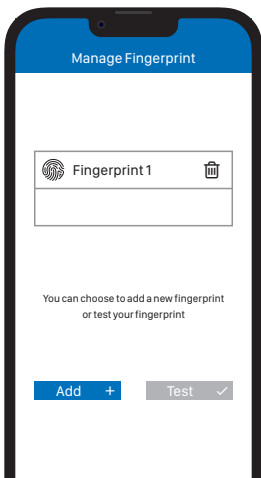
Launch the FT-JCOS BioCARD Manager APP.
Choose NFC, and click **Next** button.



A popup window will ask user to tap the FT-JCOS BioCARD to the antenna area (back or front).



Keep FT-JCOS BioCARD close to mobile antenna,
and click **Add** button.

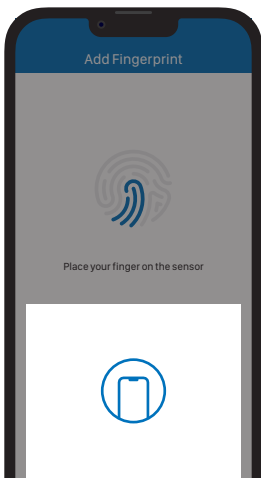


An LED indicator on the FT-JCOS BioCARD blinks to inform user to place their finger on the card sensor. Then LED is light on indicating user to lift the finger. User needs to lift and touch the card sensor multiple times until a fingerprint is successfully enrolled.

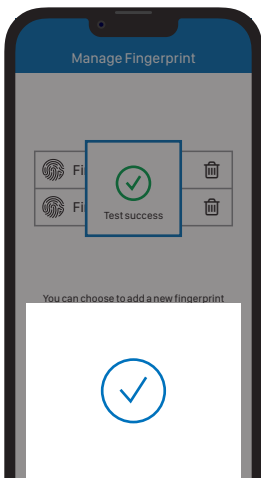
Note:

Make sure to touch the card sensor using different areas of your finger.

In this demo, the maximum number of fingerprint can be enrolled is 2.



Once a fingerprint is enrolled successfully, the user is able to test and verify it by clicking Test button.



FINGERPRINT ENROLLMENT THROUGH SMART CARD READER ON WINDOWS

Note:

A reference video is available at:
https://www.ftsafe.com/download/webdownload/Finger_enroll_Reader_Windows.mp4

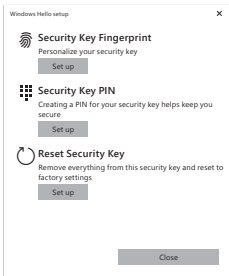


FT-JCOS BioCARD is able to utilize FIDO2 applet to enroll a fingerprint through a contact or contactless reader.

Since Microsoft has already integrated FIDO2 protocol to Windows 10 version 1903 or later, the process of fingerprint enrollment can be done through Windows settings page: Settings / Accounts / Sign-in options / Security Key.

In addition, customization tool for desktop is also an option. Fingerprint enrollment through Windows settings is shown below.

- Connect a contact / contactless reader to a computer [**Windows 10 version 1903 or later**].
- Go to settings page of security key on Windows: **Settings / Accounts / Sign-in options / Security Key**
- Click the **Security Key** option, and hit **Manage** button, follow its guide to tab / insert the FT-JCOS BioCARD card on / into reader.
- Once success, a security key management window like beside pops up. To register a fingerprint, the PIN must be set first according to FIDO2 CTAP2 specification.



- Set a PIN by clicking **Add** button. Length of PIN should be between 4 and 63 characters.
- Once PIN is set, the **Set up** button for fingerprint is enabled. Click it to enroll a finger. During registration process, user is required to repeatedly lift and rest finger on the sensor on the top of the fingerprint card until setup is complete. **[Once fingerprint enrolled, there will be option to remove]**.

Note:

In this demo, the maximum number of fingerprint can be enrolled is 2.

FINGERPRINT ENROLLMENT THROUGH BLUETOOTH SMART CARD READER

Note:

A reference video is available at:
https://www.ftsafe.com/download/webdownload/Finger_enroll_BLE_Reader.mp4



Download and install the FEITIAN FT-JCOS
BioCARD Manager app from App Store or Google
Play by scanning the corresponding QR code or
click the icon below.



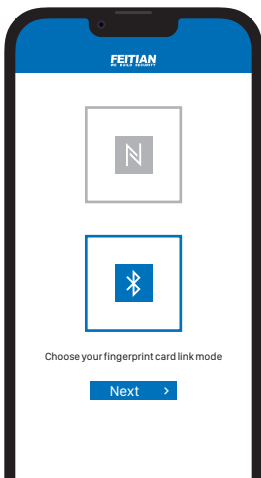
Download on the
App Store



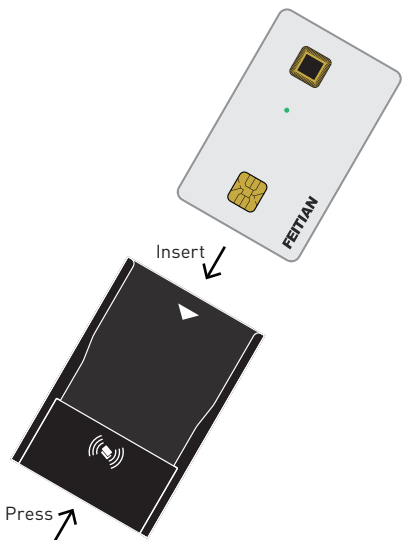
GET IT ON
Google Play

Enroll a fingerprint

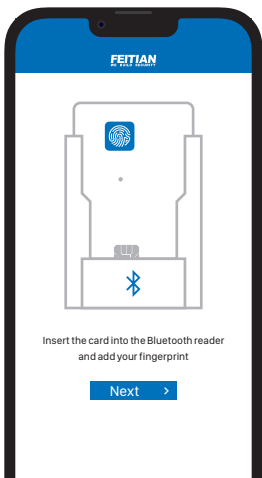
Launch the FT-JCOS BioCARD Manager APP.
Choose BLE, and click **Next** button.



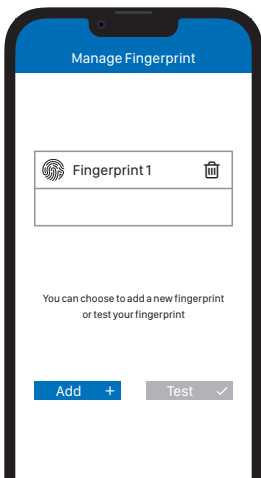
Insert the FT-JCOS BioCARD to a FEITIAN BLE reader, and press the activate button on the reader to establish Bluetooth connection with mobile.



When Bluetooth connection is successfully established, click **Next** button.



Keep FT-JCOS BioCARD inserted in the BLE reader, and click **Add** button.

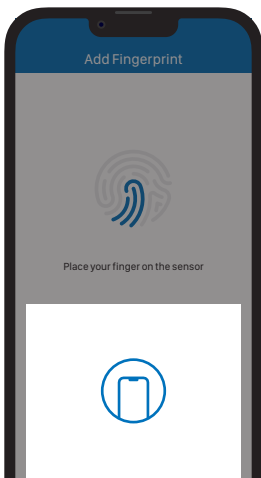


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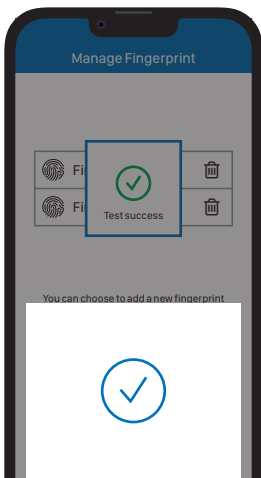
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v1.1
