

FT-JCOS BioCARD

FEITIAN
WE BUILD SECURITY

A Smart Card With Embedded Fingerprint Sensor



The FT-JCOS BioCARD is an innovative product. By integrating a fingerprint sensor into a smart card, FT-JCOS BioCARD offers a highly secure way to confirm that the person claiming your identity is, in fact, you.

FT-JCOS BioCARD makes identification, authentication and even payment validation more convenient and secure by taking advantage of fingerprint sensor instead of entering card PIN.

FEATURES

From consumer's point of view, it is easy to accept the new technology only if products are secure and easy to use, which makes performance as an essential aspect.

SPEED

In order to have a better using experience, FT-JCOS BioCARD ensures that enrollment and verification process as fast as possible. Thus, the user's experience, including matching, together with capturing and extraction, is almost seamless.

ACCURACY

There is always need to balance between False Acceptance Rate (FAR) and False Rejection Rate (FRR). FT-JCOS BioCARD is able to offer a better user experience and high security by setting a trade-off configuration of FAR and FRR.

FINGERPRINT ENROLLMENT

Depending on different scenarios, FEITIAN offers flexible enrollment methods.

- Enrollment through Mobile NFC (on iOS and Android devices)
- Enrollment through Smart Card Reader on Windows settings
- Enrollment with offline sleeve
- Enrollment through Bluetooth Smart Card Reader

SPECIFICATIONS

Dimension

85.6 × 53.98 mm

Thickness: 0.76 ± 0.08 mm

Weight

5.6 ± 0.1 g

Operating Temperature

-25 ~ 85°C

Contactless Frequency

13.56 MHz

Java OS Platform

GlobalPlatform 2.3.1

Java Card™ 3.0.5

Interface

ISO/IEC 7816

ISO/IEC 14443 Type A

User NVM Size

300K

User RAM size

6K

Algorithms

RSA 2048, AES, SHA-1, SHA-256, SHA-384, SHA-512,
MD5, 3DES (ECB, CBC), HMAC,
ECC(FP_192), ECC(FP_224), ECC(FP_384)

Fingerprint Module

Match on Secure Element

Numbers of fingerprint templates customizable

FRR: 4/100

FAR: 1/20,000