Biometric (Finger Print) Device

Identifying your login identity

It is a combination of smartcard reader and fingerprint scanner built with proven and reliable technologies for performing user authentication. It is very portable and seamlessly integrated into mobile devices that will provide support for wide range of applications suitable for financial and government organizations.

Key Benefits

➢ Ease of use – insert identity card and place finger on the scanner to authenticate the cardholder
➢ Very portable – ergonomic design to fit in the pocket
➢ On-ground customer engagement– ability to verify the identity of the applicant instantly
➢ Print statement – once the credential of the applicant is verified, it can authorize to print the provident fund statement

The product comes with single slot contact smart card and a biometric scanner with the capabilities of:

➢ Biometric fingerprint authentication
➢ Smartcard reader
➢ USB (Micro) full speed connection
➢ Compact robust design

It is capable of supporting majority of smartphones and tablets equipped with minimum Android 3.1 and USB OTG capability in the market.

Product Usage - Authentication

As identity theft and fraudulent transaction increases, strong authentication needs are growing for stringent access control to retrieve sensitive information for the purpose of customer acquisition and transaction.

It works on most smartphone supporting 'Bring Your Own Device' (BYOD) policy to enjoy the

full capability of biometric authentication. The product is durable and portable suitable for workforce on the move, at roadshows or exhibitions.

Access Control

The advance biometric verification does not only authenticate the identity of the user to prevent identity theft but it can be deployed to provide secure, non-repudiate access control.

Fingerprint Matching

The biometric identity authentication is equipped with the latest biometric fingerprint sensor with embedded software components and authentication algorithms approved by FIPS 201 Evaluation Program. The technology used in the biometric sensor ranks first place in the MINEX benchmark for interoperability by NIST. False Acceptance Rate can be configured down to 1 in 100,000,000 and the sensor has an authentication matching speed under 0.6 seconds.

The fingerprint sensor also comes packed with:
➢ Optical sensor resistance to electro-static discharges, scratch and shocks.
➢ Internal storage of 500 users or 1000 templates.
➢ Match-on-device and match-on-card.
➢ Fake finger detection.
➢ High quality fingerprint acquisition.
➢ Support various output format including proprietary, RAW, ISO 19794-4 and WQS compressed image (licensing required).
➢ Embedded processing capabilities: MINEX compliant codes and matcher inside.
➢ Extensive security features including encryption and digital signature.
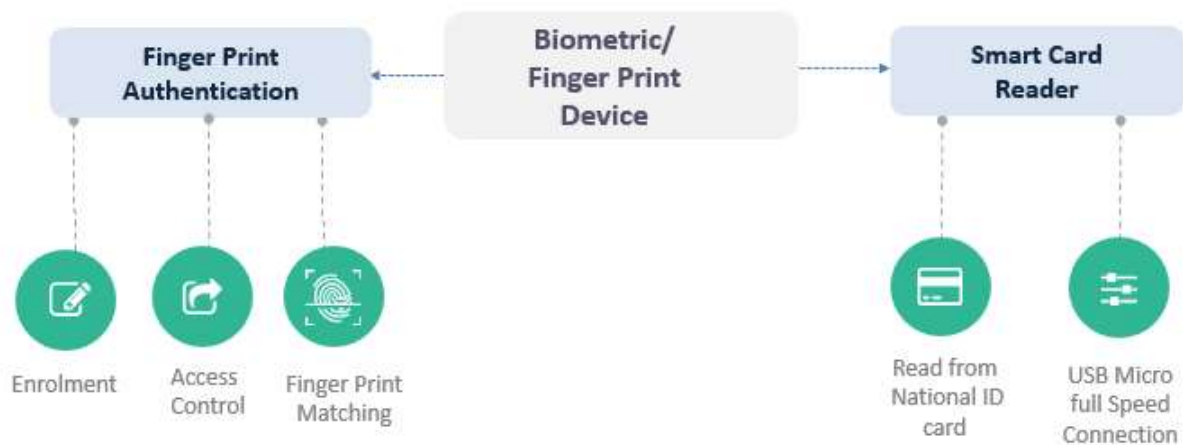➢ Standards compliant to FBI PIV IQS certification and FCC, CE, RoHS.

Use Case Scenario

For processing loan application, customer needs ID card and fingerprint to verify the cardholder identity, get the relevant information from the authority and approve or disapprove the loan on the spot.

For further information on Biometric (Finger print) Device, please email us at **mobility@silverglobe.com**.

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Product Specifications

Features	Description
Enrollment	Support fingerprint capturing and enrollment.
Access Control	Biometric verification provides secure, non-repudiate access control.
Fingerprint Matching	Biometric identity authentication is equipped with the latest biometric fingerprint sensor with embedded software components and authentication algorithms approved by FIPS 201 Evaluation Program. Match-on-device and match-on-card. Fake finger detection, high quality fingerprint acquisition and support various output format including proprietary, RAW, ISO 19794-4 and WQS compressed image (licensing required).
Read National ID Card	It is equipped with a single slot contact smart card reader.
USB Full Speed Connection	USB OTG enabled for secured data communication.