Why Use a Fingerprint Smart Card?

From card-only access to real user authentication.

WHY IT MATTERS

1. **Traditional RFID Card**

Card-only access, not person verification.

2. **Password Login**

Secure but cumbersome and easy to forget.

3. **Centralized Biometrics**

Biometric data is centrally stored, and if leaked it cannot be reset.

BATTERYLESS
Passive card with no battery

ULTRA-THIN 0.84 mm
Standard card thickness

ENTERPRISE-GRADE SECURITY
Built for mission-critical environments

FINGERPRINT SMART CARD

Activates only after the real user is verified. Biometric data stays secure in the card.

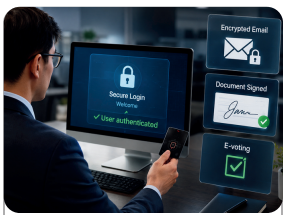
FINGERPRINT DATA NEVER LEAVES THE CARD

EASY UPGRADE. SAME READER. SMARTER SECURITY.

Existing Reader → Upgrade the Card → Same Reader

- No Replacing new Readers
- No Rewiring
- No System Redesign
- Easy Integration, Low cost

WHERE CAN IT BE USED?



Digital Signature & Confidential Operations
PC Login / Encrypted Email / E-Signature / E-Voting

Enterprise Access
Building / Data Center / Facility

Government ID
eID / Passport / Driver License

Campus & Security
Security/Student ID / High-Risk Access

Finance & Payment
Bank Card / Payment Auth / Crypto Wallet

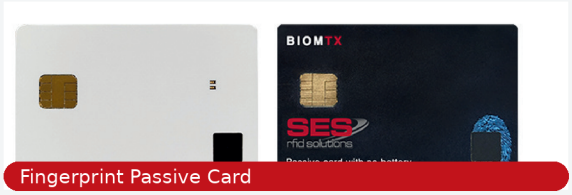
- **User Verified, Not Just Card Verified**
- **No More Password Fatigue**
- **Biometric Data Stays in Card**

Fingerprint Smart Card

Advantages

System for fingerprint authentication	**On card**
Location of fingerprint extraction	**In card**
Location of fingerprint authentication	**In card**
Protection of privacy	**by user's discretion**

Product
Fingerprint Passive Card



Fingerprint Passive Card

Product	Fingerprint Passive Card
Power Source	Energy Harvesting from RFID Field
Battery Cycle Life	RF IC Read/Write 100000 Times
Dimensions	ISO7816-1, type ID-1 85.6mm(W)x54mm(H)x0.74- 0.9mm(D)
Sensing Area	4 x 4 mm : 56 x 56 pixel
Sensor pixel size	70 x 70 um
Special resolution	363 DPI
ADC Pixel resolution	14 Bits Gray Scale
FRR/FAR	2% / 1 / 10000
ESD	+/- 8KV (Contact mode)
Operating Temperature range	0°C~45°C
Extended Humidity range	65~90% RH
Contactless RFID chips	HID Prox, HID iClass, I CODE SLI, Tag it Mifare Classic, 4k,8k, ST IC, Des Fire EV1, FeliCa,Legic

Description of Fingerprint Sensor Module

- A powerful capacitive fingerprint sensor module with USB and GPIO interface
- Composed mainly by fingerprint sensor and MCU embedded recognition algorithm
- Ultra-thin thickness, low-power consumption, high-speed and highly-accurate fingerprint recognition make it particularly suitable for application of smart cards.
- Cermet-like coating provides up to 6H hardness and protects sensor against scratch, impact, and daily wear-and-tear.

We are connecting

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