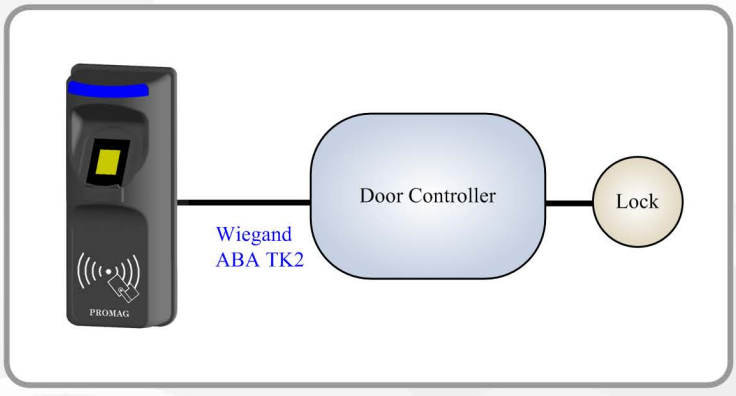
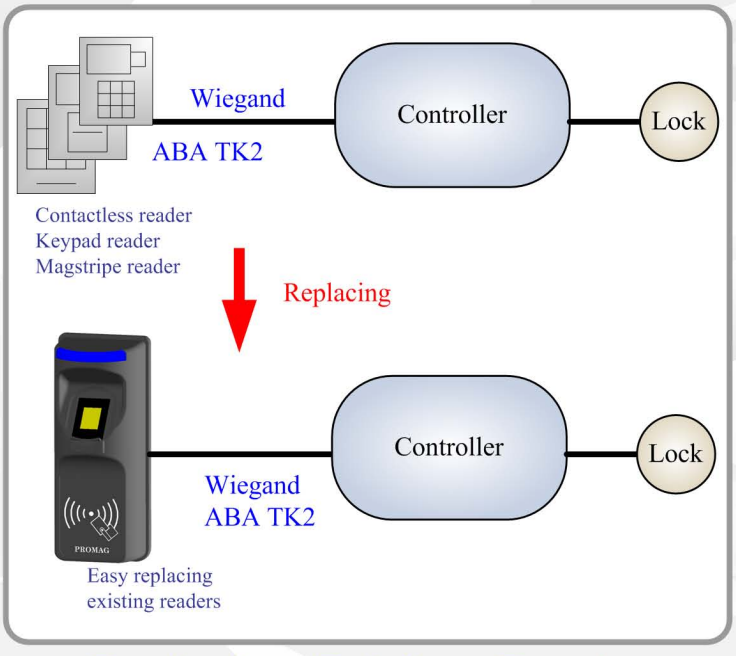
# SmaFinger®

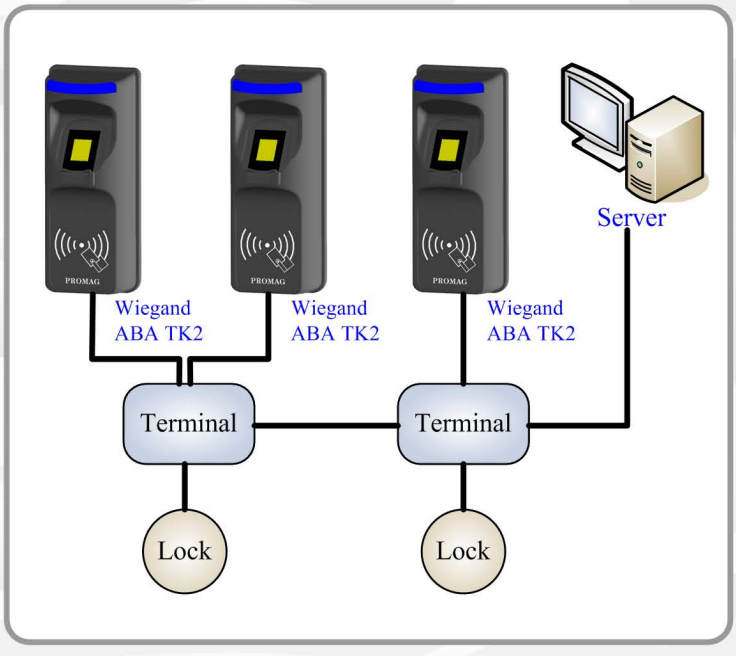
# Configuration




Standalone

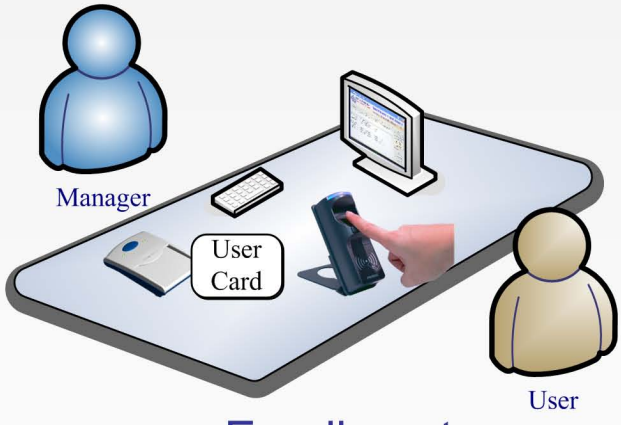



Replacing Existing Reader




Network

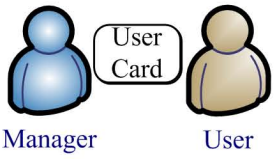
# Usage




Enrollment

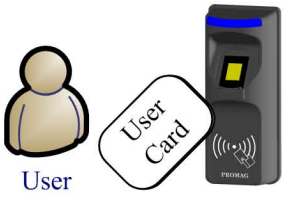
## Usage for Card + Finger

1




Issue User Card for user

2

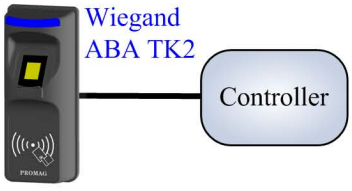



Take the User Card Approach.
Fingerprint Template Transferred.

3

Touch Finger

4




Verify Fingerprint
Success or Fail

## Usage for Finger Only and Add User

1

Store Fingerprint
Template into Database

2

Issue an User's Enroll
Card from Database

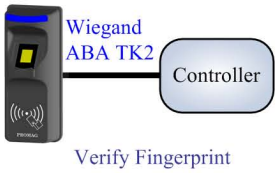
3

Take the Enroll Card Approach.
Fingerprint Template Stored
into Standalone Reader.

4

Touch
Finger

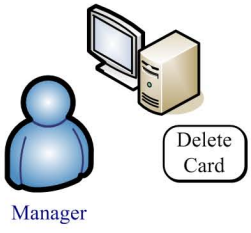
5




Verify Fingerprint
Success or Fail

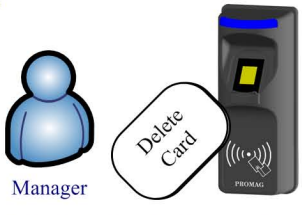
## Delete User

1




Issue an User's Delete
Card from Database

2




Take the Delete Card Approach.
Remove the Fingerprint Template
from Standalone Reader.

Biometrics

Standalone

Security

Easy Replacing

# PROMAG®

## SmaFinger®
Contactless Smart Card & Fingerprint Reader

SmaFinger is a fingerprint reader developed on the so-called contactless smart card 13.56 Mhz RFID technology. The integration of biometric technology by fingerprint identification and 13.56Mhz RFID technology makes SmaFinger be capable of biometric and contactless performance without spending large amount of expenses in running system upgrading with fingerprint system extension. On the aspect of personal privacy issue, SmaFinger provides the high secure of protection on privacy concern because every fingerprint is stored on a card. Also the reader itself supports Mifare MAD1/MAD2 format to make user end be able to issue their customized ID cards.

### Three Access Modes
* Card Only
* Card + Fingerprint
* Fingerprint only

Mode of Fingerprint only is also able to access functions of card enrollment and deletion. No need to apply extra on-line system or equipment to build up the fingerprint database.

### Applications
* Time attendance.
* Access control and Hotel locker management.
* Credit card or card cash.
* Membership card.
* Drive license or personal ID identification.
* Log in system.
* Wiegand devices or ABA-TK2 compatible.

### Keynotes
High secure of protection for loss of ID card (Unduplicated ).
Card + Fingerprint supports limitless fingerprint capacity.
Featuring 3 interfaces in one devices - Wiegand, RS232 and ABA-TK2.
Low risk of privacy intrusion
Supports Mifare MAD 1/MAD 2 format, available for customized definitions and card issuing.

| | | | | |
|---|---|---|---|---|
| SmaFinger | Model No. | | SF500 | SF600 |
| | Application | | Standalone Mifare Sector Reader | |
| Access Mode | Card Only | | Supported | |
| | Card + Fingerprint | Enroll Mode | No Need | |
| | | Fingerprint Capacity | Unlimited | |
| | | Fingerprint Validation | 1:1 | |
| | | Performance | Security | |
| | Fingerprint Only | Enroll Mode | RS232 or Enroll Card | |
| | | Fingerprint Capacity | 10 | 1900 |
| | | Fingerprint Validation | 1:10 | 1:N |
| | | Performance | Friendly | |
| Mifare Card | Max Fingerprint Template Capacity | | 2 | |
| | Mifare Card Type | | 1K /4K | |
| | Card Format | | For MAD1/MAD2 Only | |
| Reader | Configurable Interface | | RS232 : 2400~57600 bps<br>Wiegand: 26~128 bits<br>ABA-TK2: 2~24 Digital Codes | |
| | Identification speed | | <2 sec (1:1)<br><5 sec (1:10) | <1 sec (1:1)<br><3 sec (1:N) |
| | Mifare Read Distance | | Max. 50mm | |
| | Power Consumption | | Max. 200mA @ DC12V | |