# Palm Recognition Multi-Biometric T&A with Access Control Function

## FA1-P

## Introduction

FA1-P is a multi-biometric identification time & attendance and access control terminal, it offers brand new UI and user-friendly operation interface to provide excellent user experience. With the latest Palm/Face algorithm and advanced Fingerprint identification technology, security level of verification is significantly enhanced. The terminal can connect with third party electric lock, door sensor, and exit button, etc. Communicating via TCP/IP, USB and WIFI(optional), it ensures a smooth connection and data transfer.
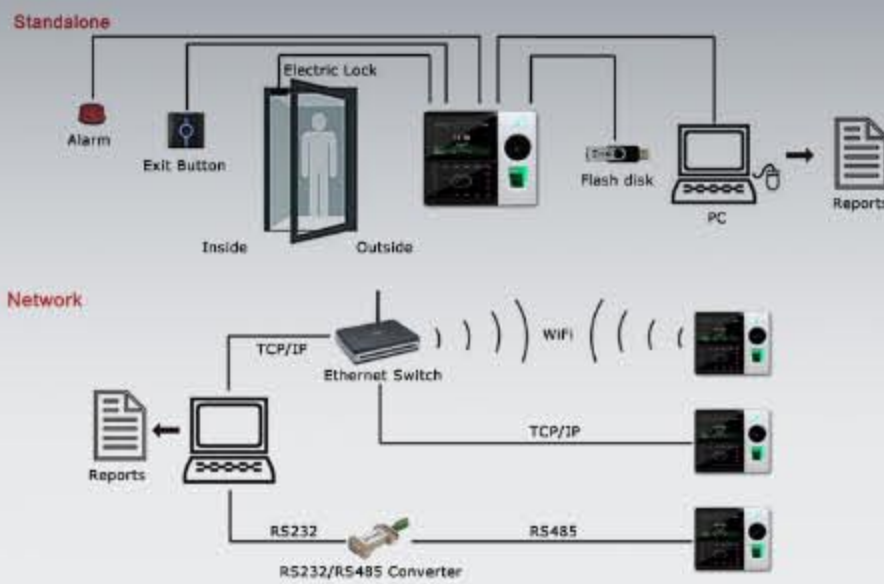
## Function & Feature

- Multi-Biometric verfication mode: Palm/Face/Fingerprint
- 600 palm templates, 1200 face templates, 2000 fingerprint and 10,000 cards(optional)
- Built-in relay for Access Control function
- Backup battery provides approximate 3 hours of continuous operation
- Communication via TCP/IP and USB, WIFI or 3G is optional
- Able to detect whether the face is an actual face or a photo, enhancing the security level of verification

| Palm | Face | Fingerprint | Webserver | Workcode | SMS | Schuedule bell | Touch LCD | Access control |

## Working Application



Standalone — Alarm, Exit Button, Electric Lock, Inside, Outside, Flash disk, PC, Reports

Network — TCP/IP, Ethernet Switch, WiFi, TCP/IP, RS232, RS485, RS232/RS485 Converter, Reports

## Specification

| | |
|---|---|
| **LCD Display** | **Language** |
| 4.3"TFT Touch Screen | Multi language, English, French, Spanish, Arabic, Turkish, Portuguese, |
| **Speaker** | Hebrew, Vietnamese, Dutch, German, Traditional, Indonesian, Italian, |
| Voice prompt(language can be selected) | Persian, Polish, Russian, Thai, Romanian etc. |
| **Capacity** | **Environment** |
| Face: 1200 face    Fingerprint: 2000 | Operation temperature:0°C-45°C |
| Palm: 600    logs: 100,000 | Operation humidity:20%-80% |
| **Verification** | **Memory** |
| Verification speed (1:1) ≤ 0.5s | 256M flash, 128M SDRAM |
| Identification speed (1:N) ≤ 1s | **Power Supply** |
| **Identification** | 110/220 VAC-12VDC 3A |
| FRR ≤ 0.01%  FAR ≤ 0.0001% | **Package information** |
| **Attendance status** | Machine size:19.4(L)*16.5(W)*86(H)cm    Unit packing:31*26*12cm |
| Checkin/out, Break in/out, Overtime in/out | Carton packing:50*34*38cm   Real weight:1.6kg  Volume weight:2.0kg |
| **Communications** | **Function suport** |
| TCP/IP, RS232/485, USB Host, Wiegand output | Scheduled bell; DLST; Self-inquiry; Workcode; SMS; T9 input; |
| **Access control** | Webserver; Multi-alarm; Photo ID; User role; Data encryption; |
| Built-in relay, connection with door lock, alarm, | User expiration rule;  ADMS |
| exit button, door sensor, etc | **Optional function** |
| **Cameras** | WIFI, 3G, Printer function, ID/MF reader, External siren |
| High Definition Infrared Cameras | |

## Package List

| Device | Back Plate | Screws | Power Adapter | Screw-driver | Backup-battery |