

# M-F131

## **Brief Introduction:**

M-F131 is a professional high-end access control device which have RFID card & fingerprint authentication for access control. It's with the leading-edge fingerprint arithmetic in the world, automatically analyze the tiny difference of the latest fingerprints vs. the previous fingerprints and update accordingly to ensure the high accuracy and the optimum speed of fingerprint recognition. High recognition ability for injured and peeled fingers, the identification time is less than 1 second. With multi-level validation, lock combination and anti-pass back etc. advanced validating functions. The device includes two set locks for output, two set door release buttons, one set Wiegand 26/34 output and input. It could download and upload data & record by U memory flash, TCP/IP communication function, you could realize access control networking and data collection & sharing freely.

## **Features:**

- It's with the leading-edge fingerprint arithmetic in the world, automatically analyze the tiny difference of the latest fingerprints vs. the previous fingerprints and update accordingly to ensure the high accuracy and the optimum speed of fingerprint recognition.
- The device is built-in ID card sensor(optional for IC card), validate freely by Card, fingerprint and password combination, access control is more flexible and securely.
- Support U disk to download or upload attendance records and fingerprint data etc. User could enroll the fingerprint in one device, and share the enrollment information with other devices through the USB flash memory stick.
- TCP/IP communication, network connection is simple and convenient, support Push Technology, operate access control networking and data collection & share freely
- With multi-level validation, lock combination and anti-pass back functions.
- With tamper alarm, over-time door opening alarm, fire alarm and Hijack alarm etc. alarm functions
- Authentication modes are 1:1 and 1:N, user can register ten fingers, max fingerprint capacity is 2,000 enrollment and 100,000 record
- With two set locks for output, two set door release buttons, those could connect wire or wireless switch.
- With two groups of Wiegand, one group Wiegand 26/34 for output and one group Wiegand 26/34 for input.
- Support multi development language(VB, C++, Delphi etc.) SDK, and ODM/OEM software development
- Support English, French, Spanish, Korean ect different languages.

1. Parameter

Model	M-F131
LCD Screen	2.4 inch TFT (320*240) Color Screen
Fingerprint Sensor Resolution	500DPI (Optical sensor)
Hardware Platform	REALAND <sup>B</sup> ZDC2911
Algorithm Version	REALAND <sup>B</sup> RSFv5.1
CPU	ARM926EJ CPU, Running Frequency: 200MHZ
Communication	TCP/IP, RS485, USB Memory Disk
User Capacity	2,000
Records Capacity	100,000
Software OS	XP/Win2003/Vista/Win7/Win8 (32bit / 64bit)
Identification Time	< 1 S
Authentication Method	Fingerprint/ RFID Card (125Khz)(could customize Mifare card)/Password
Language	Chinese / English / Spanish/Portuguese/ German (could customize others)
Bell	Built-in timing bell(can connect to external timing bell)
Access Control Interface	Wiegand26/34, Door Lock, Siren, Release Button(can connect 2 groups), Doorbell, Door Sensor
Professional Access Function	Open door by multilevel verification, anti-pass back
Power	DC 12V/2A
FRR	<1%
FAR	<0.00001%
Operating Mode	Off-line/On-line
Authentication Mode	1:1, 1:N
Operating environment	Operating Temp: 0°C-50°C, Humidity:80%
Certificates	CE, Type Inspection Report of Chinese Police Product
Dimension(L*W*H)mm	Terminal - 181*91*36mm Package – 246*164*71mm
Weight	Terminal – 0.48 Kg Package – 0.812Kg

2. Application  
1) Access Control System

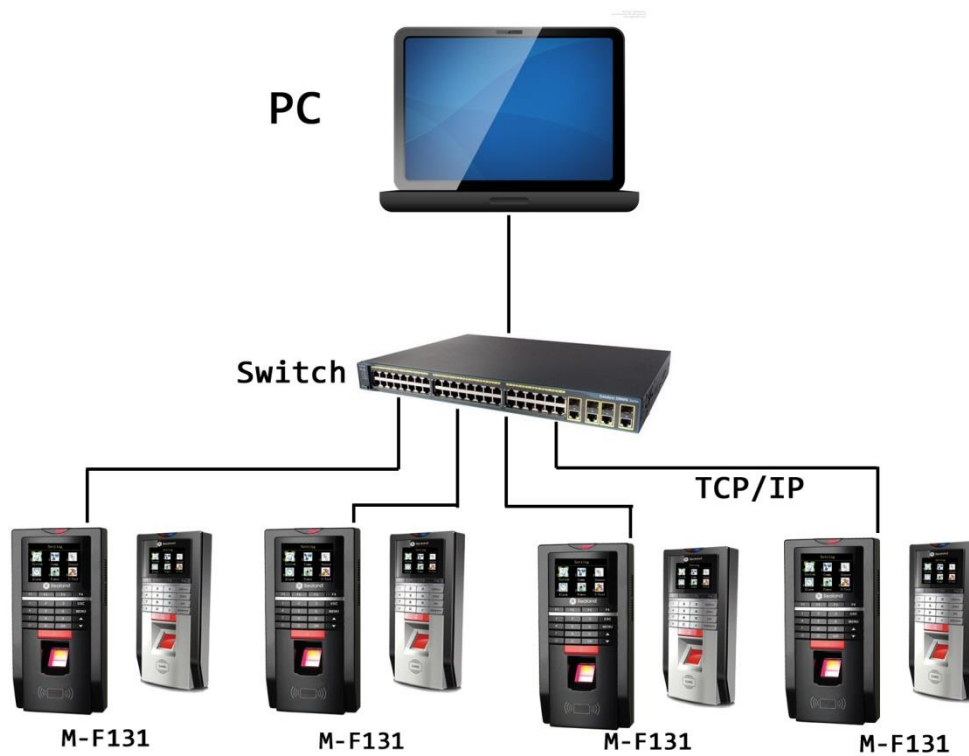


1) WAN network

Customer can connect the software to the M-F131 device via the WAN network. That means you can connect software from the computer in USA to the M-F131 that installed in Mexico.



3) One software can connect to several M-F131, to share the user info and get the attendance records.



### 3. Download

1) Software:

Setup\_En\_full(RAMS-AC-20131106).zip

2) Manual:

Fingerprint Time Attendance Software Manual(RAMS\_Software-RevE2.1.0).zip