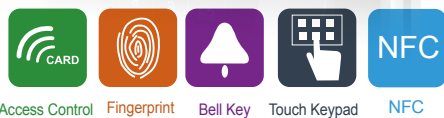# RAC-971PEF/PMF
Standalone Fingerprint Access Controller

Features

- Supports NFC. Installing Hundure App on NFC-enabled mobile phone; Enabling NFC function and placing mobile phone near to controller for door unlock. (RAC-971PMF)
- Bell key function design. Suit for various location.
- Casing tamper proof detection and door tamper alarm.
- Equipped with 2.4" color LCD；Slim, stylish design with waterproof sensitive touch keypad with blue backlight.
- Dual card / fingerprint contrast function, improve system security.
- High security, using encryption with random code to saving finger characteristic.
- Large LCD display time, date, weekday and company name. And show cardholder Chinese / English name or card number after verification.
- The standard model can access 950 users with 2 fingerprint templates per each user (total 1,900 fingerprint templates). The storage event record is up to 100,000 events.
- The advanced model can access 4,500 users with 2 fingerprint templates per each user (total 9,000 fingerprint templates).
- Quick and accurate fingerprint verification, supports 1:1 authentication & 1:N identification. And audible voice prompts guiding users during verification process.
- Provide 32 working shifts and 32 siren schedules. Able display current shift or active alarm. Provide 100 holiday schedules per year.
- Provide 128 time zones and time schedules, 8 time conditional unlock door schedules (per week).
- Blacklist and Duress card/code setting. When door opened in the emergency, controller will send signal to control center at the same time for tracing and rescue.
- Programmable disarm code .
- Unique ID or Block read format supported and programmable key value. (RAC-971PMF)
- RTC ensures to provide correct date and time. Watchdog function secures system free from halting.
- Built-in RS-485 and TCP/IP communication interface to PC.
- On-board lithium battery ensures data storage can reach up to 1 year upon power outage.
- Conforms to ISO 14443A standard; supporting Mifare card. (RAC-971PMF)

Access Control | Fingerprint | Bell Key | Touch Keypad | NFC

For Android
Please scan QR Code to download mCard App

Ordering Information

Package Content:
- Controller x 1
- Quick Start Guide x 1
- Accessory Pack x 1

Supported Software:
- HAMS Management System

Optional Accessories:
- AC-DC Adapter
- PSU-330 Uninterrupted Power Supply
- ACU-30 slave controller

System Architecture

HUB
Alarm or Siren
PSU-330
ACU-30 Door Lock
Sensor
RAC-971PEF/PMF
Exit Button
Door Lock or Bell

Specifications

Model No.	RAC-971PEF	RAC-971PMF
Read Format	EM (125 KHz)	Mifare (13.56 MHz) NFC (Android 5.0+ NFC phone) – need to work with App
Card Read Range	8 cm above	5 cm above
Slave Reader	T2 / Wiegand (1 Set)	
Input Ports	3 Sensors (Door Sensor x 1, Exit Button x 1, Case Sensor x 1)	
Output Ports	Relay x 1：O.C. Output x 3 (Door Bell / Alarm / Siren, external ACU-30)	
Cardholders	40,000	
Events	100,000	
Fingerprint Capacity	950 user capacity. (2 fingerprint templates per person)	
Identification Mode	1：1 / 1：N	
Identification Time	1：1 <= 1 sec.; 1：1,000 <= 1 sec.	
FAR / FRR	<=0. 001% / <=0. 01%	
Fingerprint Sensor	Optical CMOS Sensor	
LED Indicator	Power / Comm.	
LCD Display	2.4" Color LCD (240×320)	
Keypad	17 Keys (F1-F4, 0-9, ＊, ＃, Bell) (Sensitive Touch Keypad)	
Real Time Clock	Yes	
Beep Tone	Buzzer & Operating steps sound	
ID or IP Setting	Command setting by keypad	
Power Input	DC 12V / 500mA	
Current Consumption	500mA (max.)	
Comm. Interface	RS-485 / TCP/IP	
Comm. Baudrate	RS-485：9,600/19,200 bps-N-8-1；TCP/IP：10/100M	
Operating Temp.	-10˚C~ 70˚C / 14˚F~ 158˚F	
Relative Humidity	20% ~ 80% (Non-condensing)	
Dimension (mm)	140 (L) x 130 (W) x 41 (H)	

* Product design and specifications are subject to change without prior notice.