RAC-970PEF/PMF
Standalone Fingerprint Access Controller

CARD — Access Control | Fingerprint | Bell Key | Touch Keypad | LCD Display

Features

● Bell key function design. Suit for various location.
● Casing tamper proof detection and door tamper alarm.
● Slim, stylish design, 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 4,750 users with 2 fingerprint templates per each user (total 9,500 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).
● 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-970PMF)
● RTC ensures to provide correct date and time. Watchdog function secures system free from halting.
● Built-in RS-485 & 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-970PMF)

Ordering Information

Package Content:
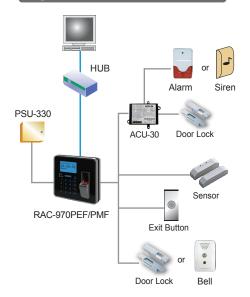・ RAC-970 x 1
・ Plate x 1
・ Quick Start Guide x 1
・ Accessory Pack x 1

Supported Software:
・ HAMS Management System

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

System Architecture

Specifications

Model No.	RAC-970PEF	RAC-970PMF
Read Format	EM (125KHz)	Mifare (13.56MHz)
Read Range	8-10 cm(max)	3-5 cm(max)
Slave Reader	T2 or Wiegand (1 Set)	
Input Port	3 Sensors (Door Sensor x 1、Exit Button x 1、Case Sensor x 1)	
Output Port (Built-in)	Relay x 1 (Door Lock or Bell)	
Output Port (External)	O.C. Output x 2 (Door Lock / Alarm or Siren , external ACU-30)	
Cardholders	40,000 (max)	
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	128 x 64 Dot. Graphic Display with backlight	
Keypad	17 Key (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 / 1A	
Current Consumption	1A (max.)	
Comm. Interface	RS-485 / TCP/IP	
Comm. Baudrate	RS-485: 9,600/19,200 bps-N-8-1。TCP/IP: 10/100 Mbps	
Operating Temp.	0℃~ 55℃ / 32˚F~ 131˚F	
Relative Humidity	20% ~ 80% (Non-condensing)	
Dimension	140mm(L) x 130mm(W) x 41mm(H)	
Weight (Device)	400g	

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