

# RAC-960PEF/PMF

## Standalone Fingerprint Access Controller

Sensitive Touch Keypad



### Features

- Support network or standalone operation.
- 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, card number and after card swiped.
- 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 18,000 events.
- The advanced model can access 4750 users with 2 fingerprint templates per each user (total 9,500 fingerprint templates). Another model with 170,000 events storage is available for optional purchase.
- 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 blacklist and 50 sets visitor card with configurable check digits, duration, usage time & frequency.
- 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 and max. re-swipe card alarms function. The system wills timeout at max swipe card failure.
- Memory buffer full warning. When memory capacity reaches 90%, it will send an alarm to remind the system administrator for data collection.
- Unique ID or Block read format supported and programmable key value. (RAC-960PMF)
- 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. (Able to expandable to 255 sets by RS-485 interface)
- On-board lithium battery ensures data storage can reach up to 1 year upon power outage.

### Ordering Information

#### Package Content:

- RAC-960 x 1
- Quick Start Guide x 1
- Accessory Pack x 1

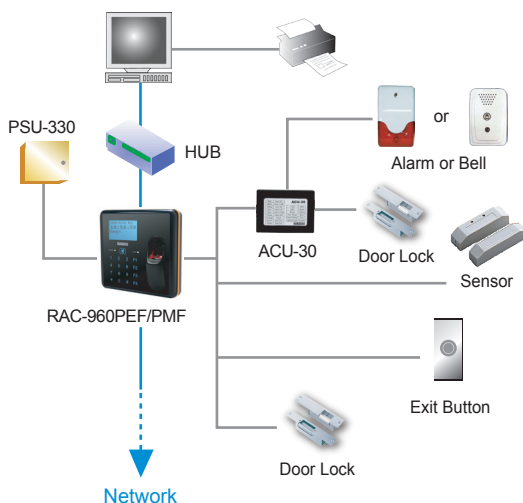
#### Supported Software:

- HAMS-19/20/22/24 Management System

#### Optional Accessories:

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

### System Architecture



### Specifications

Processor	32 Bit
Memory	1M
Input Port	3 Sensors (Door Sensor x 1 · Exit Button x 1 · Case Sensor x 1)
Output Port	Relay x 1 ( Door Lock) · O.C. Output x 2 (Alarm / Door Bell, external ACU-30)
Cardholders / Events	18,000 / 18,000
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 setting	Command setting by keypad
Read Format & Range	Built-in EM / MIFARE® / MIFARE® DESFire module in the controller. EM : 8~10 CM (RAC-960PEF) (max.) · MIFARE® /MIFARE® DESFire : 3~5cm (RAC-960PMF) (max.)
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°C~ 55°C / 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.