

# RAC-960PEF-V/PMF-V

## Standalone Fingerprint Access Controller



### Features

- On-board lithium battery ensures data storage can reach up to 1 year upon power outage.
- Bell key design. Suit for various location.
- Standalone operation & setting function
- Support swipe card and swipe card with pin codes enter modes.
- The memory of the standard model is 40,000 cardholders (max) and 100,000 events.
- Casing tamper proof detection and door tampers alarm.
- Slim, stylish design with waterproof sensitive touch keypad with blue backlight.
- Provide 128 time zones and time schedules, 8 time conditional unlock door schedules. (per week)
- Built-in RS-485 and TCP / IP communication interface to PC.
- Supports PoE (Power Over Ethernet); The controller can be powered directly through the network cable without any external power supply.
- Display name on the LCD screen after swiped card.
- Memory buffer full warning. When memory capacity reaches 90%, it will make a warning sound to alert the system administrator for data collection.
- Blacklist and Duress card/code setting. When door opened in the emergency, the controller will send signal to control center at the same time for tracing and rescue.
- Programmable disarm code and able set maximum attempts to trigger re-swipe card alarm. The controller time-out function will avoid intrusion in and has self security.
- Provide 32 working shifts and 32 siren output. LCD will display current shift and activate alarm. Provide 100 holiday schedules per year.
- Able to connect external slave reader and support Anti-Passback to every single door.
- Conforms to ISO 14443A standard; supporting Mifare card; Unique ID or Block read format supported. (RAC-960PMF-V)
- The standard model can access 950 users with 2 fingerprint templates per each user (total 1,900 fingerprint templates ).
- Quick and accurate fingerprint verification, supports 1:1 authentication & 1:N identification. And audible voice prompts guiding users during verification process.

### Ordering Information

#### Package Content:

- Controller x 1
- Plate x 1
- Accessory Pack x 1
- Quick Start Guide x 1

#### Supported Software:

- HAMS Management System

#### Optional Accessories:

- AC-DC Adapter
- T2/Wiegand Proximity Reader
- ACU-30 slave controller

### Specifications

Model No.	RAC-960PEF-V	RAC-960PMF-V
CPU	32 Bit (Supports ISP)	
Read Format	EM (125 KHz)	Mifare (13.56 MHz)
Card Read Range	6~8 cm	3~5 cm
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 2 (Door Lock / Alarm or 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	<=0.001%	
FRR	<=0.01%	
Fingerprint Sensor	Optical CMOS Sensor	
LED Indicator	Red/Green Bi-Color LED x 2 (Power/Comm./Status)	
LCD Display	128 x 64 Dot. Graphic Display with Backlight	
Keypad	17 Keys (F1~F4, 0~9, *, #, Bell) (Sensitive Touch Keypad)	
Real Time Clock	Yes	
Beep Tone	Buzzer	
ID or IP Setting	Command setting by keypad	
Memory Battery	3V Lithium Battery (Replaceable)	
Power Input	DC 12V/800mA; PoE	
Current Consumption	800mA (max.)	
Comm. Interface	To PC: RS-485, TCP/IP, TTL-232 (Fingerprint Module) To Reader: RS-485	
Comm. Baudrate	RS-485 : 9,600/19,200 bps-N-8-1 ; TCP/IP : 10/100M	
Operating Temp.	0°C~ 55°C / 32°F~ 131°F	
Relative Humidity	20% ~ 80% (Non-condensing)	
Dimension (mm)	140 (L) x 130 (W) x 41 (H)	

### System Architecture

