

# RAC-852PEFV/PMFV

## Standalone Finger Vein Access Controller



### Features

- Casing tamper proof detection and door tamper alarm.
- Dual card / finger vein 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 6,000 users with 2 finger vein templates per each user . The storage event record is up to 150,000 events.
- Quick and accurate finger vein 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-852PMFV)
- 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-852PMFV)

### Ordering Information

#### Package Content:

- RAC-852 x 1
- Quick Start Guide x 1
- Accessory Pack x 1
- Plate x 1

#### Supported Software:

- HAMS Management System

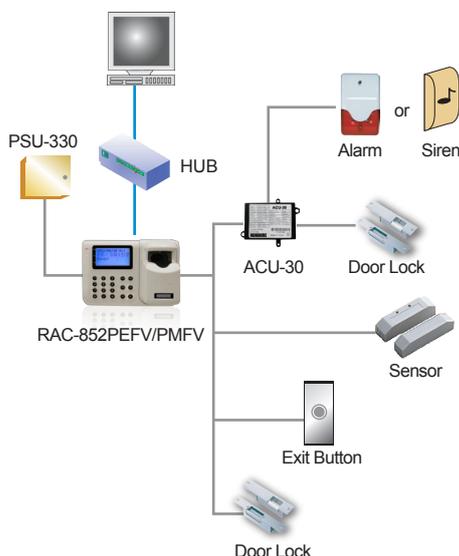
#### Optional Accessories:

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

### Specifications

Model No.	RAC-852PEFV	RAC-852PMFV
Read Format	EM (125 KHz )	Mifare (13.56MHz )
Read Range	8-10 cm (max)	3-5 cm (max )
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 )	
Output Port (External)	O.C. Output x 2 ( Door Lock / Alarm or Siren , external ACU-30 )	
Cardholders	18,000 (max)	
Events	150,000	
Finger Vein Capacity	6,000 user capacity. ( 2 finger Vein templates per person)	
Identification Mode	1 : 1 / 1 : N	
Identification Time	1 : 1 <= 1 sec. 1 : 2000 <= 2 sec.	
FAR	<=0.0000067% ( 1 / 15 million ) * Note 1	
FRR	<=0.01% ( 1 / 10,000 ) * Note 1	
LED Indicator	Power / Valid Card / Comm.	
LCD Display	128 x 64 Dot. Graphic Display with backlight	
Keypad	18 Key ( F1-F6, 0-9, *, # )	
Real Time Clock	YES	
Beep Tone	Buzzer & Operating steps sound	
ID or IP Setting	Command setting by keypad	
Power Input	DC12V / 2A	
Current Consumption	2A (max.)	
Comm. Interface	RS-485 / TCP/IP	
Comm. Baudrate	RS-485 : 9,600 / 19,200 bps-N-8-1 ° TCP/IP : 10/100Mbps	
Operating Temp.	-20°C~ 50°C / -4°F~ 122°F	
Relative Humidity	20% ~ 80% (Non-condensing)	
Dimension	142mm(L) x 200mm(W) x 91mm(H)	
Weight (Device)	658g	

### System Architecture



\* Note 1: The highest security level, support 1: 1 authentication

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