# RAC-820PMFV
# Finger Vein Access Controller

## Features

- 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.
- High security, using encryption with random code to saving finger characteristic.
- Unique ID or Block read format supported and programmable key value.
- Provide 32 working shifts and 32 siren schedules. Able display current shift or active alarm.
- Provide 100 holiday schedules per year.(per week).
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- Blacklist to prevent unknown usage of lost card.
- Built-in TCP/IP communication interface to PC.
- Casing tamper proof detection and door tamper alarm.
- Watchdog function secures system free from halting.

Finger Vein     Access Control

## Ordering Information

**Package Content:**
- RAC-820PMFV 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
- FV-100 Finger Vein Enrollment Module

## System Architecture

PSU-330
HUB
or
Alarm    Siren
ACU-30    Door Lock
RAC-820PMFV
Sensor
Exit Button
Door Lock

## Specifications

| | |
|---|---|
| Read Format | Mifare-1，13.56 MHz，ISO-14443A |
| Read Range | 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. |
| Real Time Clock | YES |
| Beep Tone | Buzzer & Operating steps sound |
| IP Setting | Command setting by keypad |
| Power Input | DC12V / 1.5A |
| Current Consumption | 1.5 A (max.) |
| Comm. Interface | TCP/IP |
| Comm. Baudrate | TCP/IP : 10/100Mbps |
| Operating Temp. | -20˚C~ 50˚C / -4˚F~ 122˚F |
| Relative Humidity | 20% ~ 80% (Non-condensing) |
| Dimension | 137mm(L) x 75mm(W) x 91mm(H) |

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

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