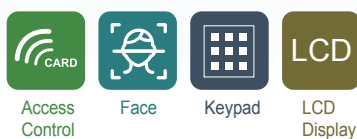


RAC-850PEFA/PMFA

Face Recognition Access Controller

Features



- On-board lithium battery ensures data storage can reach up to 1 year upon power outage.
- Supports offline operations while disconnecting internet.
- High security, using encryption with random code to saving face characteristic.
- Casing tamper proof detection and door tamper alarm.
- 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.
- Unique ID or Block read format supported and programmable key value. (RAC-850PMFA)
- Provide 128 time zones and time schedules, 8 time conditional unlock door schedules (per week).
- Provide 32 working shifts and 32 siren schedules. Able display current shift or active alarm. Provide 100 holiday schedules per year.
- Built-in RS-485 & TCP/IP communication interface to PC.
- Large LCD display time, date, weekday and company name. And show cardholder Chinese / English name or card number after verification.
- Memory buffer full warning. When memory capacity reaches 90%, it will send an alarm to remind the system administrator for data collection.
- Programmable disarm code.
- RTC ensures to provide correct date and time. Watchdog function secures system free from halting.
- The standard model can access 10,000 users (1 face template per user) and 8,000 cardholders . The storage event records are up to 150,000 events.
- Quick and accurate face verification, supports 1:1 authentication & 1:N identification. And audible voice prompts guiding users during verification process.
- Conforms to ISO 14443A standard; supporting Mifare card. (RAC-850PMFA)

Ordering Information

Package Content:

- Controller 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

Specifications

Model No.	RAC-850PEFA	RAC-850PMFA
Read Format	EM (125 KHz)	Mifare (13.56MHz)
Read Range	6 cm	4 cm
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 3 (Door Lock / Alarm or Siren, external ACU-30)	
Cardholders	8,000	
Events	150,000	
Face Capacity	10,000 (1 face template per user, total 10,000 faces)	
Identification Mode	1 : 1 / 1 : N	
Identification Time	1 : 1 <= 1 sec.; 1 : 1,000 <= 1 sec.	
FAR	<0.01%	
LED Indicator	Power / OK/ Comm.	
LCD Display	128 x 64 Dot. Graphic Display	
Keypad	18Keys (F1~F6, 0~9, *, #)	
Real Time Clock	Yes	
Beep Tone	Buzzer & Operating steps sound	
ID or IP Setting	Command setting by keypad	
Power Input	DC 12V / 1.5A	
Current Consumption	1.5A (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(mm)	142 (L) x 200 (W) x 38 (H)	

System Architecture

