

RAC-820 PEF

Standalone Fingerprint Access Controller



Access Control



Fingerprint

Features

- TCP/IP communication interface. Downloads fingerprint templates through TCP/IP to make management more efficiently.
- Supports EM (125 KHz) card.
- The standard model can access 950 users with 2 fingerprint templates per each user (total 1,900 fingerprint templates).
- The advanced model can access 4,750 users with 2 fingerprint templates per each user (total 9,500 fingerprint templates).
- Supports up to 18,000 cardholders / 150,000 events.
- High security, using encryption with random code to saving finger characteristic.
- Quick and accurate fingerprint verification, supports 1:1 authentication & 1:N identification. And provides audible voice prompts guiding users during verification process.
- Provide 128 time zones and time schedules, 8 time conditional unlock door schedules (per week).
- Casing tamper proof detection and door ajar alarm.
- Standalone operation to add / delete fingerprint template.
- Blacklist function to enhance the security.
- Programmable disarm code.
- Provide 100 holiday schedules per year.
- Memory buffer full warning. When memory capacity reaches 90% , it will send an alarm to remind the system administrator for data collection.
- RTC ensures to provide correct date and time. Watchdog function secures system free from halting.
- On-board lithium battery ensures data storage to reach up to 1 year upon power outage.

Ordering Information

Package Content:

- RAC-820 PEF 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
- FM-800 Fingerprint Enrollment Module

Specifications

Model No.	RAC-820 PEF
Read Format	EM (125KHz)
Read Range	5 cm above
Slave Reader	T2 / Wiegand x 1
Input Ports	3 Sensors (Door Sensor x 1 、 Exit Button x 1 、 Case Sensor x 1)
Output Port (Built-in)	Built-in Relay x 1 (Door Lock), O.C. Output x 2 (Door Lock / Alarm , by external ACU-30)
Cardholders	18,000 (max)
Events	150,000
Fingerprint Capacity	950 user capacity. (2 fingerprint templates per person);4,750 user capacity.(Option)
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	Power / Status
Real Time Clock	YES
Power Input	DC 12V / 1A
Current Consumption	1A (max.)
Beep Tone	Buzzer & Operating steps sound
Comm. Interface	TCP/IP
Transmission speed	10/100 Mbps
Operating Temp.	-10°C~ 60°C / 14°F~ 140°F
Relative Humidity	20% ~ 80% (Non-condensing)
Dimensions	135mm(L) x 75mm(W) x 41mm(H)
Weight (Device)	190g

System Architecture

