# RAC-970PE/PM
# Standalone Access Controller



2014/03/07 Fri
18:58:58
Ready!

LINK
POWER
HUNDURE

| 1 | 2 | 3 | F1 |
| 4 | 5 | 6 | F2 |
| 7 | 8 | 9 | F3 |
| * | 0 | # | F4 |

**CARD** Access Control    **Bell Key**    **Touch Keypad**    **LCD** LCD Display    **IP 65** Water-proof

## Ordering Information

**Package Content:**
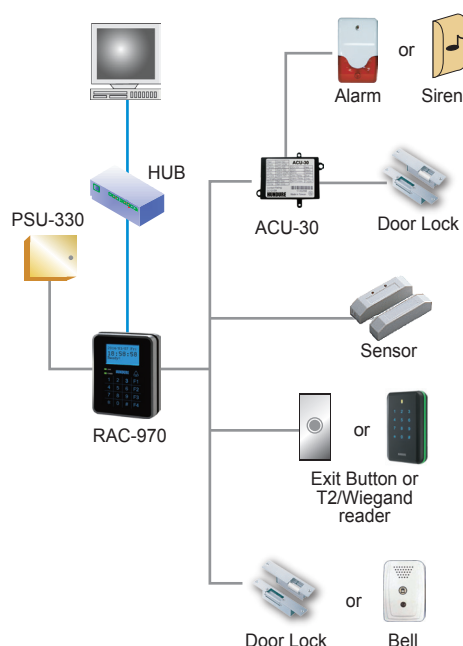・RAC-970  x 1
・Plate x 1
・Quick Start Guide x 1
・Accessory Pack x 1

**Supported Software:**
・HAMS Management System

**Optional Accessories:**
・AC-DC Adapter
・PSU-330 Uninterrupted Power Supply
・T2/Wiegand Proximity Reader
・ACU-30 slave controller

## System Architecture



PSU-330
HUB
or
Alarm   Siren
ACU-30
Door Lock
Sensor
RAC-970
Exit Button or T2/Wiegand reader
or
Door Lock   Bell
or

## Features

● Bell key design. Suit for various location.
● Casing tamper proof detection and door tampers alarm.
● 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.
● Unique ID or Block read format supported. (RAC-970PM )
● Slim, stylish design with waterproof sensitive touch keypad with blue backlight.
● Built-in RS-485 & TCP / IP communication interface to PC.
● 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.
● Provide 128 time zones and time schedules, 8 time conditional unlock door schedules. (per week)
● Display name on the LCD screen after swiped card. Function keys of access control and shifts which are convenient to personnel to generate time attendance reports.
● 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-970PM )

## Specifications

| Model No. | RAC-970PE | RAC-970PM |
|---|---|---|
| Read Format | EM (125 KHz ) | Mifare (13.56MHz ) |
| Read Range | 8-10 (max) | 3-5 (max ) |
| Slave Reader | T2 or Wiegand (1 Set ) | |
| Input Ports | 3 Sensors (Door Sensor x 1、 Exit Button x 1、 Case Sensor x 1) | |
| Output Port (Built-in) | Relay x 1 (Door Lock or Bell ) | |
| Output Port (External) | O.C. Output x 2( Door Lock ／ Alarm or Siren , external ACU-30 ) | |
| Cardholders | 40,000  (max) | |
| Events | 100,000 | |
| LED Indicator | Power / Comm. | |
| LCD Display | 128 x 64 Dot. Graphic Display with backlight | |
| Keypad | 17 Key (F1-F4, 0-9, ＊, ＃, Bell) (Sensitive Touch Keypad) | |
| Real Time Clock | Yes | |
| Beep Tone | Buzzer | |
| ID or IP Setting | Command setting by keypad | |
| Water-proof | IP 65 | |
| Power Input | DC 12V / 1A | |
| Current Consumption | 500mA. (max. excluding slave reader) | |
| 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 | 130mm(L) x 100mm(W) x 27mm(H) | |