RAC-971PMD-Y-BS
WiFi Standalone Access Controllor

Access Control | Water-proof | Touch Keypad | Wi-Fi | NFC

Ordering Information

Package Content:
· Controller x 1
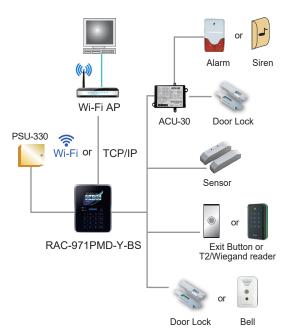· Quick Start Guide x 1
· Accessory Pack x 1

Supported Software:
· HAMS Management System

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

System Architecture

Features

- Modbus protocol provides status reading and configuration commands, allowing third-party vendors to quickly integrate. A single IP connection can be designated for increased security.
- Support NFC unlock door function. After installing a specific App on NFC-enabled mobile phone, enabling NFC function and placing mobile phone near to controller for door unlock.
- Conforms to ISO 14443A standard; Supporting Mifare/Mifare Plus/Desfire card.
- Bell key function design. Suit for various location.
- Standalone operation & setting function.
- Provide case tamper proof and door ajar alarm.
- Equipped with 2.4" color LCD；Slim, stylish design with waterproof sensitive touch keypad with blue backlight.
- Provide intuitive graphical function menus for hardware settings.
- Provide 128 time zones and weekly time schedules, 8 time conditional unlock door schedules per day.
- Provide 2 groups of 100 holiday schedules for current year and next year.
- Provide 8 groups of password time schedules, in which the password is required to swipe the card.
- Built-in WiFi and TCP/IP communication interfaces to PC.
- Provide memory buffer full warning.
- Blacklist and 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.
- RTC ensures to provide correct date and time. Watchdog function secures system free from halting.
- On-board lithium battery ensures data storage can reach up to 1 year upon power outage.
- Unique ID or Block read format supported and programmable key value.
- Support remote control function.

Specifications

Model No.	RAC-971PMD-Y-BS
Read Format	Mifare / MIfare Plus /Desfire (13.56 MHz) NFC (Android 5.0+ NFC phone)–need to work with App
Card Read Range	Mifare：3cm　　Mifare Plus：1cm Desfire：2cm NFC：1~3cm (depend on smartphone)
Slave Reader	T2/Wiegand/RS-485 x 1
Input Port	3 Sensors (Door Sensor x 1, Exit Button x 1, Case Sensor x 1)
Output Ports	Relay x 1：O.C. Output x 3 (Alarm / Door Bell / Siren, external ACU-30)
Cardholders	40,000
Events	100,000
LCD Display	2.4" Color LCD (240×320)
LED Indicator	LED x 2 (Power / Comm. / Status)
Keypad	17 Keys (F1-F4, 0-9, ＊, ＃, Bell) (Sensitive Touch Keypad)
Real Time Clock	Yes
Beep Tone	Buzzer
ID or IP Setting	Command setting by keypad
Ingress Protection	IP65
Power Input	DC 12V / 500mA
Current Consumption	500mA (max.)
Memory Battery	3V Lithium Battery
Comm. Interface	To PC: WiFi / TCP/IP　　To Reader: RS-485
Comm. Baudrate	TCP/IP：10/100M; RS-485: 19,200 bps-N-8-1
Operating Temp.	0˚C~ 70˚C / 32˚F~ 158˚F
Relative Humidity	20% ~ 80% (Non-condensing)
Dimension (mm)	130 (L) x 100 (W) x 27 (H)

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