RAC-520PE/PM
Standalone Access Controller
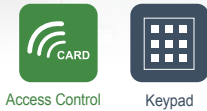
Access Control   Keypad

Features

- Able to connect external slave reader type T1/T2.
- Supports network or standalone operation.
- Memory capacity 1,024 cardholders / 800 events.
- Watchdog function secures system free from halting.
- Unique ID or Block read format supported. (RAC-520PM)
- Conditional Unlock Door function, able open 1~9,999 seconds per time.
- Casing tamper proof detection and door tamper alarm. Programmable door sensor detection time from 1~600 seconds and able set relay or reader beep of alarm type.
- 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.
- Provide RS-485 communication, able expandable to 64 sets by RS-485 interface.
- Support swipe card and card with pin codes enter modes and door relay time from 1~600 seconds.
- Support Anti-Passback function.

Ordering Information

Package Content:
- RAC-520 x 1
- Quick Start Guide x 1
- Accessory Pack x 1

Supported Software:
- HAMS Management System

Optional Accessories:
- EPC-406 USB to RS-422/485 Converter
- AC-DC Adapter
- PSU-330 Uninterrupted Power Supply
- ACU-30 slave controller

System Architecture

EPC-406

PSU-330

ACU-30

Alarm

Door Lock

Sensor

Exit Button

RAC-520

Door Lock

Specifications

Model No.	RAC-520PE	RAC-520PM
Read Format	EM (125 KHz)	Mifare-1 (13.56MHz)
Read Range	12 cm (max)	3-5 cm (max)
Slave Reader	T2 (1 Set)	T2 (1 Set)
Input Ports	3 Sensors (Door Sensor x 1、Exit Button x 1、Case Sensor x 1)	
Output Ports(Built-in)	Relay x 1 (Door Lock)	
Output Ports(External)	O.C. Output x 2 (Door Lock / Alarm，external ACU-30)	
Cardholders / Events	1,024 / 800	
LED Indicator	Comm.	
Keypad	12 Key (0-9, CE, Enter)	
Real Time Clock	Yes	
Beep Tone	Buzzer	
ID Setting	DIP switch setting	
Power Input	DC 12V / 1A	
Current Consumption	250mA. (max.)	
Comm. Interface	RS-485	
Comm. Baudrate	19,200 bps-N-8-1	
Operating Temp.	-10° C ~ 70° C / 14° F ~ 158° F	
Relative Humidity	20% ~ 80% (Non-condensing)	
Dimension	120mm(L) x 76mm(W) x 23mm(H)	
Weight (Device)	120g	

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