

RAC-520PEA/PMA

Standalone Access Controller



Features

- 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-520PMA)
- 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.

Ordering Information

Package Content:

- RAC-520 x 1
- ACU-30 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

Specifications

Processor	8 Bit
Memory	32K
Input Ports	3 Sensors (Door Sensor x 1 · Exit Button x 1 · Case Sensor x 1)
Output Ports	O.C. Output x 2 (Door Lock / Alarm, external ACU-30)
Cardholders / Events	1,024 / 800
LED Indicator	Comm.
LCD Display	None
Keypad	12 Key (0-9, CE, Enter)
Real Time Clock	None
Beep Tone	Buzzer
ID Setting	DIP switch setting
Read Format & Range	125 KHz (EM Compatible) (RAC-520PEA) 13.56 MHz (MIFARE® Compatible) (RAC-520PMA) EM : 12 cm(RAC-520PEA) MIFARE® : 3~5 cm(RAC-520PMA) (max.)
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 ~ 55° C / 14° F ~ 131° F
Relative Humidity	20% ~ 80% (Non-condensing)
Dimension	120mm(L) x 76mm(W) x 23mm(H)
Weight (Device)	273g

- ACU-30 supports 2 output ports for alarm and door lock.

System Architecture

