

**RC1 & RCP8** 

RFID Reader & Control Panel

RCP8





1 / 1 Scale



RC1 & RCP8

RFID Reader & Control Panel

RC1



1 / 1 Scale





## **RCP8** Technical specifications

Product type	Control panel of RFID reader
Dimensions	170 / 100 / 30 mm
Weight	220 ± 10 gr
Operation Temperature	-20 ~ +70 °C
Operation Humidity	10% - 80% RH
Operation Voltage	12 - 24 V DC
Consumption	8 W Max
Working speed	64 MHz
Number of RFID readers supported	8
Type of connection w ith RFID readers	RS485
Notification	Sound, RGB Led indicator
Card log capacity	102400
Event log capacity	57344
Ethernet	100 Mbit
Number of cards that can be authorized	262144 (18 bit) / per RC1 reader
Daylight saving time	Automatic
Input	10 pcs digital
Output	10 pcs 2A relay (COM / NO / NC)
Anti-Passback	4 different regions
SDK	AVES Softw are Development Kit

## RC1 Technical specifications

Product type	RFID reader
Body material	ABS
Dimensions	46 / 86 / 16 mm
Weight	45 ± 5 gr
Operation Temperature	-20 ~ +70 °C
Operation Humidity	10% - 80% RH
Operation Voltage	12V DC
Consumption	0.75 W Max
RFID type	Mifare classic
RFID frequency	13.56 MHz 14443A
RFID data field size	1024 byte
Working mode	Panel based(ONLINE)
Working speed	64 MHz
Notification	Sound, RGB Led indicator
Reading distance	< 50 mm
Writing distance	< 45 mm
Connection type	RS485
Input	2 pcs digital
Output	1 pcs 2A relay (COM / NO / NC)
Anti-Passback	4 different regions
SDK	AVES Softw are Development Kit
Protection	IP67

RCP8 is a control panel designed to control RC1 readers. It supports up to 8 RC1 readers. Each RC1 reader has 2 inputs and 1 relay. In a standard set of one panel and 8 readers you can control 26 inputs and 18 relays. RCP8 is equipped with highly flexible programmability.

The device has Timer, RAM and ROM variables as hardware. It supports logical and bitwise operations with these variables.

RCP8 can use the following event sources.

- When a temporal criterion occurs
- When variable control is achieved
- When the card is read
- When input states change (RC1 or RCP8)
- When relay states change (RC1 or RCP8)
- When the timer runs
- When a data is received from the network
- When the connection status of RC1s changes

Depending on these event sources, RCP8 can perform the following tasks.

- Create logs or alarms
- Assigning values to variables
- Making RC1s active or passive
- Triggering relays (RC1 or RCP8)
- Control RC1 indicators (RGB Led, Relay, Buzzer)
- Timer initialization
- Sending data with network