

RC500 SERIES Proximity Reader



1. Mifare Standard

- 1024 bytes EEPROM, divided into 16 sectors with 64 bytes on each sector
- 100,000 write endurance cycles
- 10 years data retention
- ISO 14443 A
- 13.56MHz transponder frequency
- 106 kbit baud rate
- Bit-wise anti-collision
- Up to 10 cm operating distance
- 4 byte unique serial number
- Random number generator
- 2 bytes access key per sector
- Individual access condition for each sector
- Purse functionality

2. Technical Specification

- Power supply: 5V, 80-100mA
- Interface: RS232, Virtual RS232 (USB)
- Transmission speed: Default 19200 bps
- R/W distance of up to 60mm (up to 100mm with bigger antenna size), depending on TAG
- Storage temperature: -40 °C ~ +85 °C
- Operating temperature: 0 °C ~ +70 °C

3. Communication setting

The communication protocol is byte oriented. Both sending and receiving bytes are in hexadecimal format. The communication parameters are as follows,

Baud rate: 19200 bps

Data: 8 bits

Stop: 1 bit

Parity: None

Flow control: None

4. SIZE

86mm*55mm

Note :Include antenna