

RFID Long Range Reader

ICR-M8 System Introduction



1. Introduction

Now institutions, administrations and other units adopt open-style or labor parking management system. Open-style management system offers convenience for vehicles' in and out, but it exists potential safety hazard. Labor parking management system is not only inefficient but also easy to cause management loopholes. ICRM8 Long Range Reading System integrates the RFID technology and simple management control function. It includes RFID reader, long range tag, and specific card issuer. The long range card is authorized and encrypted by the M8 specific card issuer. When the authorized card enters the 15 meters' inductive range of RFID reader, the reader will be induced and verify the vehicles automatically. If the vehicle is legal, it will send out the signal and open the barrier and auto gate. High-tech application offers intelligent, efficient and safe management for the vehicles' in and out.

2. Function

1. Long range reading function: induction distance is more than 15 meters;
2. Orientation recognition function: 60 degree Orientation recognition function without any interference;
3. High vehicle access speed: vehicle access speed is more than 40KM/H;
4. Authorized management function: cards are Authorized by M8 specific card issuer; there is no limitation to the card quantity;
5. Identification & verification function: verify the data after reading the card;
6. Relay output function: after the card verification, the reader outputs the signal for the relay to open the gate.

3. Instruction

1. Connect the M8 reader's RS485 output to PC by RS485 convertor;

2. Open the serial testing software; connect M8 card reader to the power supply; test reading function to make sure the software has communicated with the reader;
3. Write the reader's password through DVLCK1.1 serial port;
4. Write the card issuer's password through DVLCK1.1 serial port. The password must be same with the card reader's password;
5. Connect the encrypted card issuer's power to issue the card. Place the card's activated window toward the card issuer's writing area. After authorization the card issuer will beep.

4. Market Orientation

1. The simple in-out management system without toll collection in institutions, administrations, colleges, villas and other units;
2. Upgrade the existing Auto gate and barrier gate for vehicle entry/exit.

Objective:

Advanced RFID technology not only strengthens the safety and security, but also improves vehicle access speed, etc. Besides, it enhances the company's image and provides value-added service for engineering contractors.

5. Installation

The reader's installation position is shown as following: fix the reader at about 1 meter behind the barrier and the pole height should be more than 1.2 meters. The signal scan area of the reader is about 6 meters in front of the barrier gate .



