

Long Range Contactless Access Control System

This advanced system is a very competitive cost effective system. It is ideal for applications such as personnel access control or car access control. With its long range capability, people no longer needs to get close to a card reader to gain access. Within predefined distance from one to fifteen meters between access card and card reader, access permission takes place without hassle of reaching out for a card or pushing a right button

The system works virtually with any type of entrance, gate, and elevator. By far it is the most ultimate and easy to install solution for contactless access control

Features

- Implemented with TI advanced 2.4GHz RF technology
- Extremely high interference resistant
- With both radio transceiver and micro controller integrated
- Transmitted data well encrypted, integrity of the security never compromised
- On system LCD display for transmission signal strength and access card number display
- Adjustable reception sensitivity and operating distance
- Build-in communication interface for centralized access control system integration
- Record keeping of each every individual card access
- Inside premises installation, system never tampered for true safety



Application



Long range parking lot entrance access control



Long range access control



Long range barrier-free access control



Automatic elevator floor control

RI-640L / RI-650L

Reader Features and Specifications



- Display device: 9x2 Chinese character backlight LCD display and 3 LEDs
- Input device: 16-key keypad with backlight
- Communication interface: RS-485 and Wiegand 26
- Operating voltage: DC 12 ~ 15V
- Current consumption: 250mA max
- Operating temperature: -20°C ~ 60°C
- Dimension: 145mm(L) x 102mm(W) x 48mm(H)
- Operating frequency: 2.4GHz
- Reception sensitivity: -50dbm ~ -90dbm adjustable
- Antenna: Internal or external
- Operating range: 1 ~ 3m or 3 ~ 15m
- Output relay contact point sustainable power: 110V/2A, 11V/15A
- Magnetic coil input from optical coupled detector for car positioning (RI-650L only)
- Delay access time, 1 ~ 255 second, adjustable (RI-650L only)
- Option of build-in EM and Mifare reader

Antenna Specifications

RI-650A

- Tilt angle: 30°C, up/down adjustable
- Operating distance: 3 ~ 15m adjustable
- Gain: 13 dBi
- Reception angle: 35° vertical, 42° horizontal
- Impedance: 50 ohm
- Dimension: 202mm(L) x 202mm(W) x 20mm(H)
- Weight: 500g
- Operating temperature: -40°C ~ 80°C



RI-05

Key Chain Type Contactless Card Specifications



- Operating frequency: 2.4GHz
- Transmission power: 1 dbm
- Dimension: 60mm(L) x 35mm(W) x 15mm(H)
- Battery specification: CR2032 x 2, replaceable
- Battery life: more than one year
- Worked anywhere inside a car
- Expandable for wireless emergency help feature
- Option of build-in EM or Mifare card