

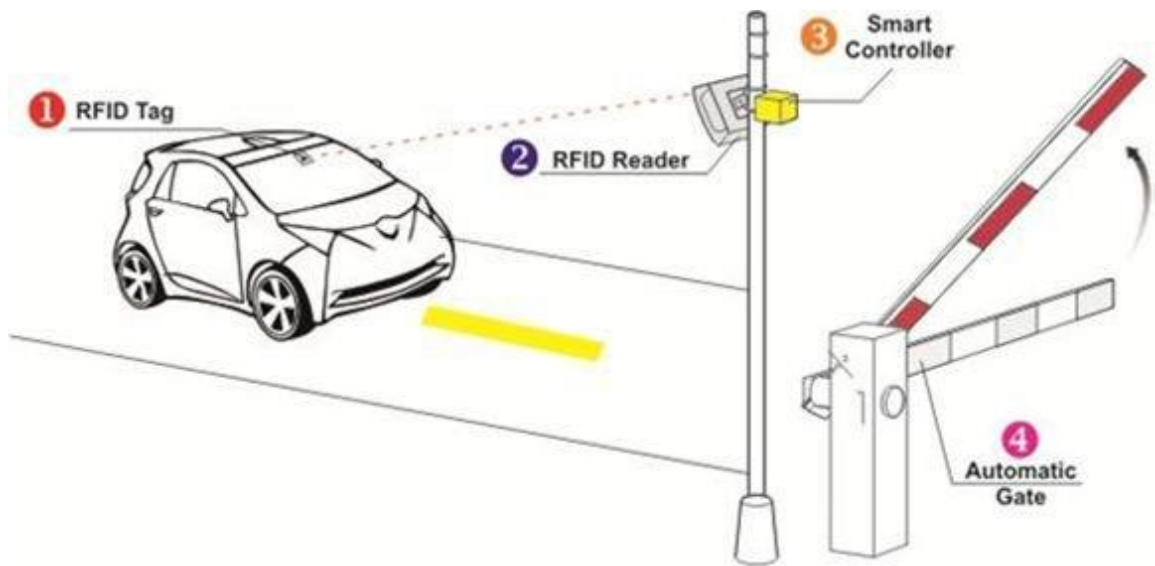
Parking access control long range RFID system



COMA offers a reliable range of smart access control systems tailored to car park application. The integrated solutions include ticket systems, card system, Automatic Number Plate Recognition (ANPR or LPR) and long range RFID car parking system, one of them or mixed solution depends on your specific demand, A well designed car parking system can be a successful revenue generator.

Long range RFID car parking system (2nd generation) allows a non-stop, hands free vehicle access. The system adopts 433MHz bluetooth tag reading technology with max 40m reading distance (But normal we will install the loop sensor to trigger to read the RFID tag). The parkers do not need to roll down the window or get off to get a card, then there will be non-stop at the entrance which can avoid the trouble of entrance peaks and bad weather. The card is active card, which will not be affected by car anti-explosion film.

This solution is suitable for long term parkers, widely used in **condominium, residential area, office** parking lot etc



Active RFID card



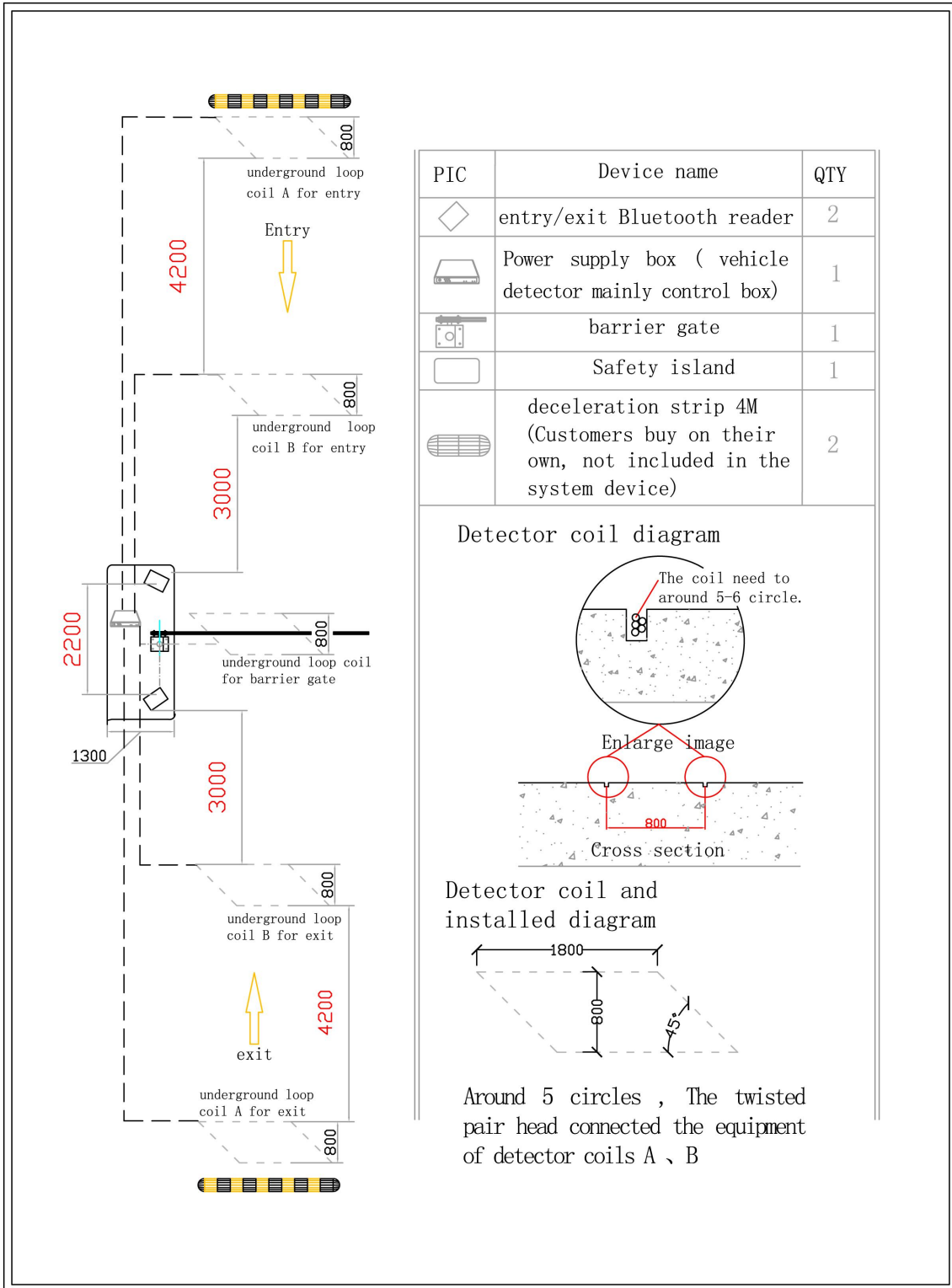
#Place on dashboard

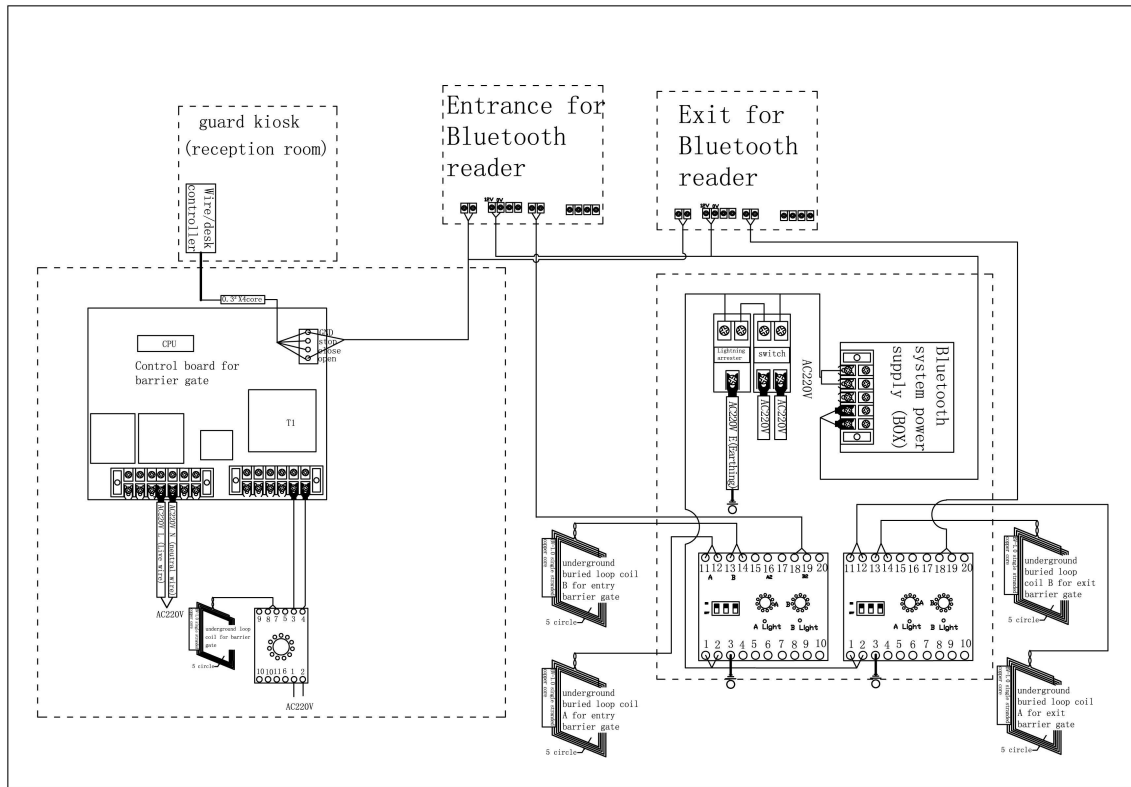


#Stick to windshied



Single lane(Entry and exit using same lane) engineering and wiring diagram





Parameter of reader#CMY511L

Reading distance	3-30m(adjustable)
Working module	Optical excitation positioning, CDMA blue
	tooth communication, sleep wake-up
Working power	DC12V-18V
4A adapter	AC110-220V/DC +12V
Blue tooth power	12W
Working frequency	433MHZ
Reading angle	360 degree
Reading card max.distance	40M
Tag agreement	CDMA
Interface type	Weigand 26/34 RS232/485,Relay
Storage temperature	-45°C- +95°C
Working temperature	-30°C- +75°C
Relative humidity	Max.95%
Dimension of reader	243*236*45mm(classic one)



Advantage and feature:

1. It is 2nd generation long range RFID system
2. 360 degree card reading angle: Widely used in different places.
3. Strong penetrate capacity:it can penetrate the anti-explosion film from 25 meters, 100% realization of 100% accessibility.
- 4.High stability: It can adapt to different environments, not affected by bad weather.
- 5.Easy installation,can work solely to control the barrier gate or with the support of parking management system(can check the parking info,need to deploy the server computer which install parking system with database

Two types of RFID tag holder



Different kinds of blue tooth card reader



Passive RFID tag system







Product technical parameter

Model number	CF-RU5306, RS232/USB/WG26/RELAY(9V power) CF-RU5306T, RS232/USB/WG26/RELAY/TCP/IP
Frequency	865~868MHz (EU standard),902~928MHz (US standard)
Protocol	ISO18000/6C(EPC GEN2)
Built-in antenna	6dbi circular antenna
Work mode	Active / trigger / answer / password mode(optional)
RF power	26dbm (adjustable)
Read distance	5~7m (depends on tag)
Interface	RS232/USB/WG26/RELAY/TCP/IP/POE/WIFI(optopnal)
Power supply	9~36V
Reader Size	190*190*30mm
Net weight	0.75kg
Operating Temp	-10~+55 °C
Storage Temp	-20~+75 °C

Hardware Equipment(Optional)

Computer Server



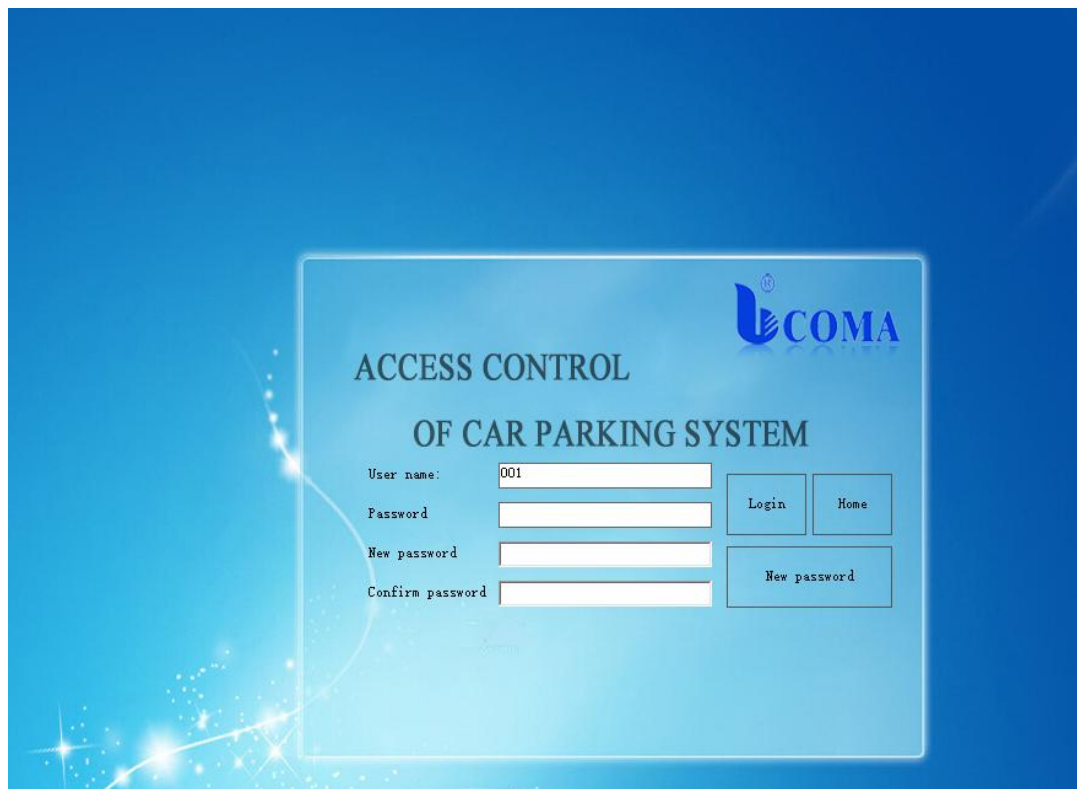
Barrier Gate



Loop sensor/desktop
RFID tag issuer/ camera
set



Server will install COMA parking system software(If need) so that can check the parking info



The screenshot shows the 'ACCESS CONTROL OF CAR PARKING SYSTEM' interface. The background is blue with a light blue gradient and some decorative light effects. The title 'ACCESS CONTROL OF CAR PARKING SYSTEM' is centered in a white box. The COMA logo is in the top right corner. Below the title, there are four input fields: 'User name:' with '001' entered, 'Password', 'New password', and 'Confirm password'. To the right of the 'Password' field are two buttons: 'Login' and 'Home'. To the right of the 'New password' and 'Confirm password' fields is a button labeled 'New password'.