

IC card dispenser RFID card car parking access control system



Guangzhou Coma Ltd.offers a reliable range of automated access control systems tailored to car park application. The integrated solutions include ticket systems,swipe cards,Automatic Number Plate Recognition(ANPR) or bluetooth card parking system.A well designed car parking system can be a successful revenue generator.

IC card dispenser car parking access control system, is that the parker use the card issued by the system to access the parking area. There are two types of parker, one is visitor, the other is monthly/VIP parker.

For visitor, they need to press the button to get a card. For monthly/VIP parker, they are issued a card before so they just swipe the card in the machine for access.

There are two types of payment, center or exit payment for visitors.

If center payment, the visitor passes the card to the manual cashier/auto pay station. The system will calculate the parking fee. After payment, the visitor can insert the card into the exit machine, then the barrier open automatically.

If exit payment, the visitor passed the card to manual cashier. The system will calculate the parking fee. After payment, the barrier open automatically.

For the monthly/VIP parker, they have paid the parking fee in the management center already. So they swipe the card and leave.

Parameter

working temperature	-30°C - +75°C
power consumed	100W
power voltage	110V/220V AC50HZ
applicable card	IC card,EMID card ,ticket
IC/ID reading distance	5-15cm
offline data storing capacity	20000 piece(expandable)
card dispenser capacity	250-450 piece
communication	RS485, RS232, CAN
material	A3 steel T=2.0mm
surface	imported baking finish
IP	IP54

Working process

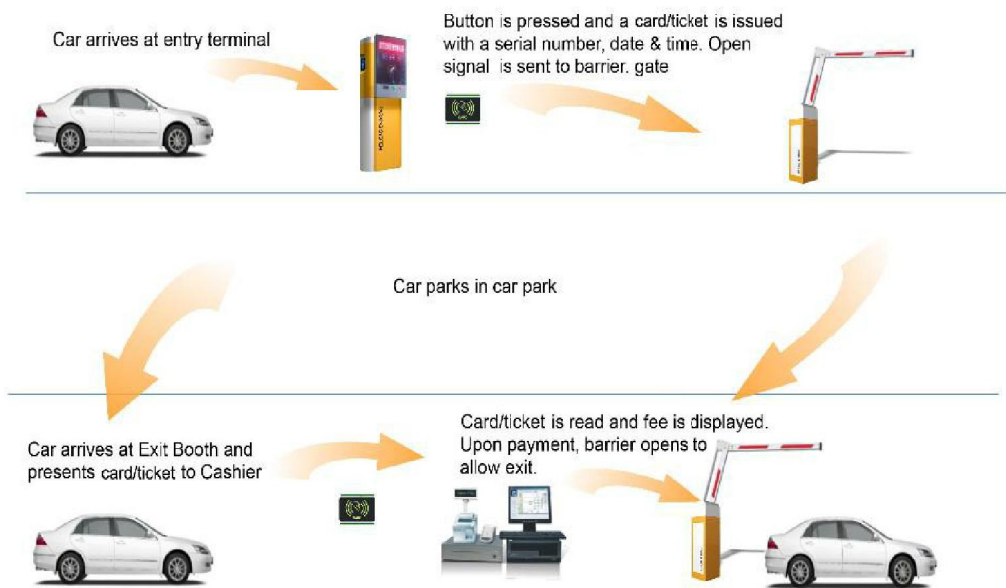
Entrance

- 1.LED display gives word welcome and remind driver to enter
- 2.Voice prompt reminds driver to take a card,
- 3.Driver needs to get a card from the dispenser in the cabinet,
for monthly card holder, he just swipes the card in the reading area.
- 4.After the driver takes the card or swiping the card , the barrier gate will automatically open, then the driver can drive his car into the parking lot.
- 5.When the vehicle detector cannot detect a car's coming, the control cabinet and barrier will never start working, in this case, even a man press the green button, the entrance cabinet will never dispense a card.

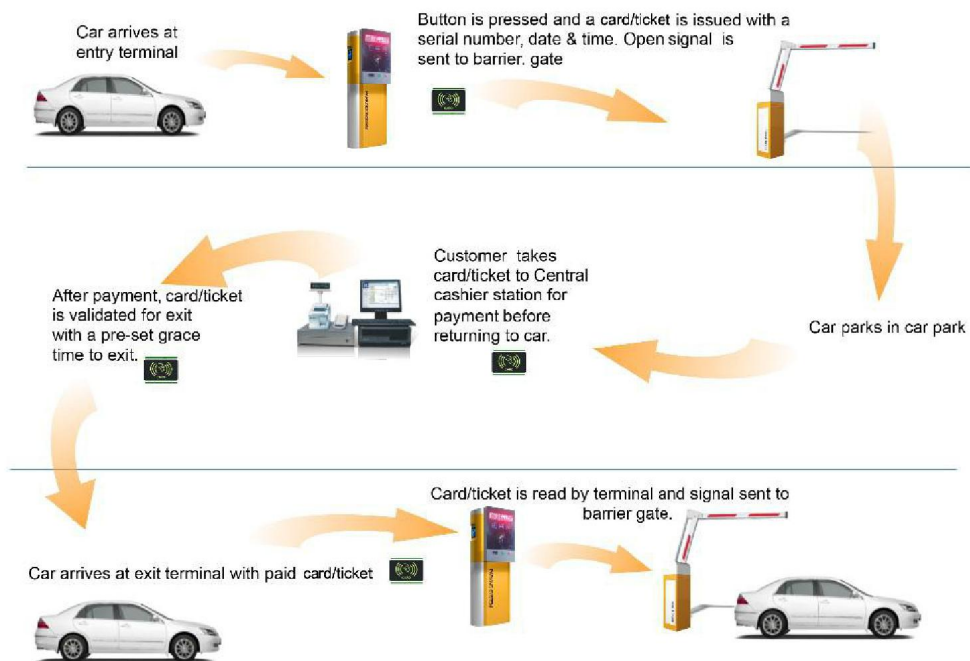
Exit

- 1.LED display gives word goodbye and reminds driver to leave
- 2.The card should be passed to toll collector if there is charge at the exit
for monthly card holder, he just needs to swipe the card in the reading area.
- 3.After payment, the barrier gate will automatically open, then the driver can drive his car out of the parking lot.
- 4.When the vehicle detector cannot detect a car's coming, the control cabinet will never start working, the barrier will never open.

Picture illustrating the process 1) exit payment method 2)center payment method



PAY AT EXIT PARKING SYSTEM



CENTRAL PAYMENT POINT

The toll station software and background software

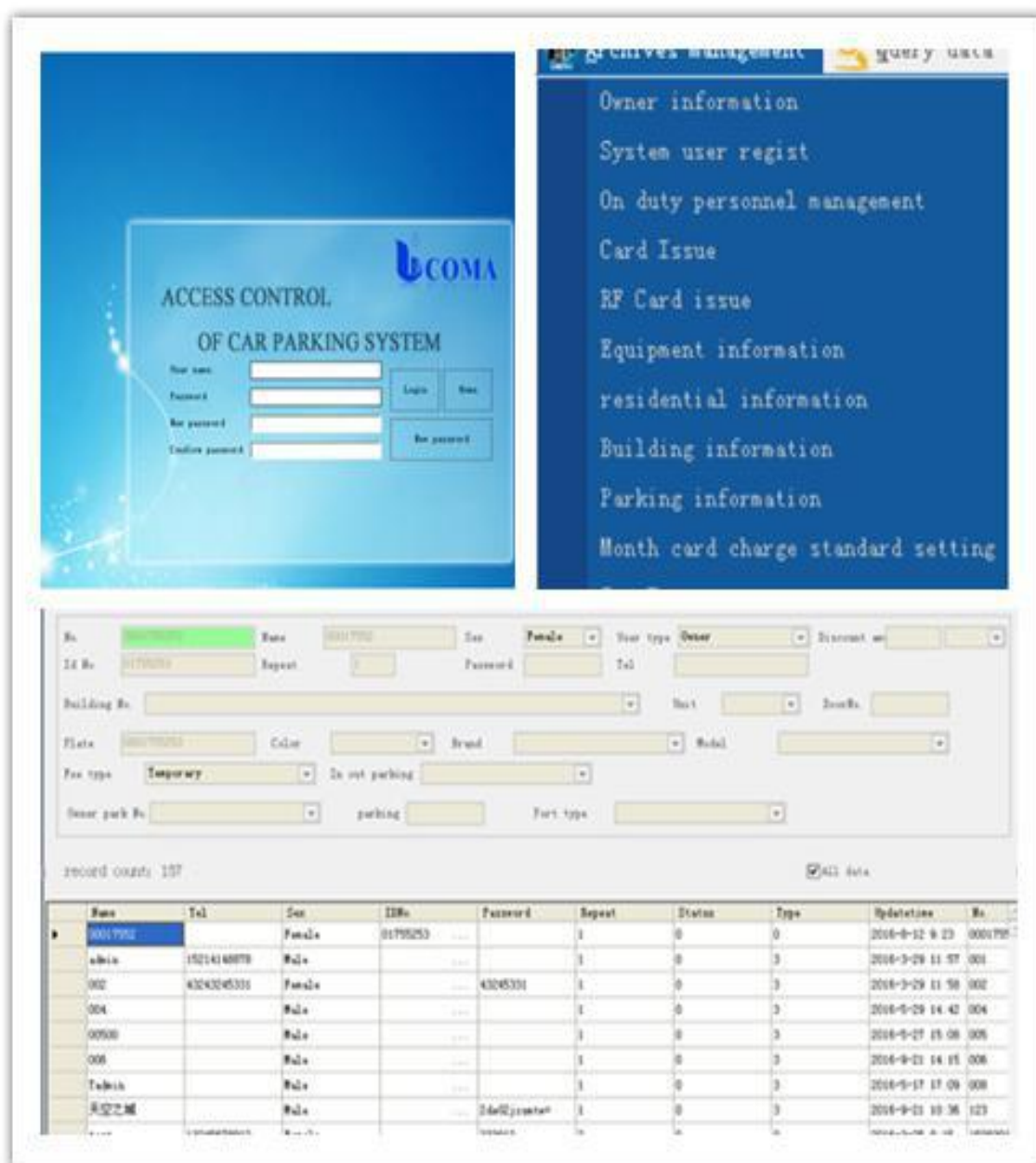
Toll station software

For the toll station software 1) the toll staffs log in, operate and charge the parking fee .2) the toll staffs can set equipments which needs management. 3) the toll staff can check the current paid up amount records.



Background software

The manager can log in and make card issue,operator management,Query of the access record,charging standard setting ,system configuration, etc.



P.S. The software is English version, if customer would like to change to other language, please consult us.

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