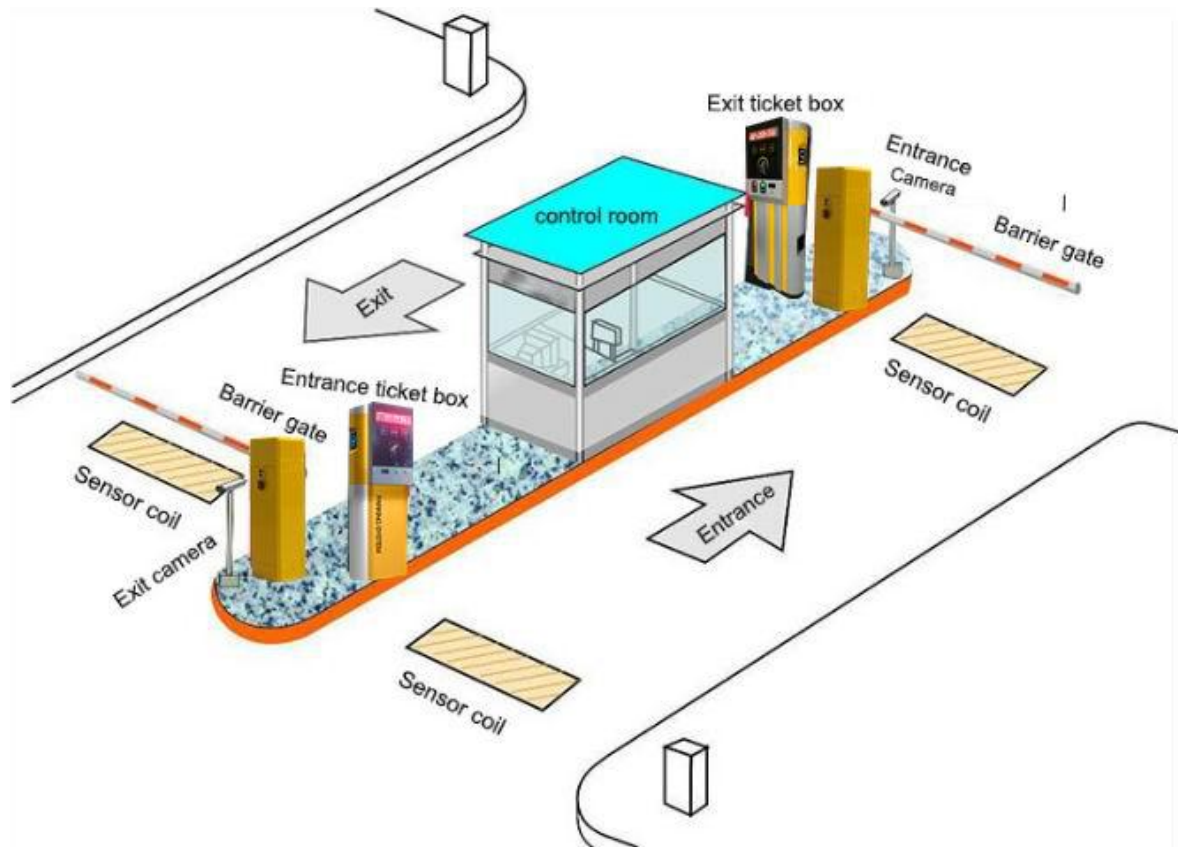


## Card parking access control system with/without automatic payment machine



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.

Card parking access control system, normally, will work with VIP card reader (for long term parkers), without auto payment machine (pay at exit or pay at central payment point or without need to pay) or with payment machine (can pay by bank notes and coins, given change bank notes and coins, pay via bank card or scan QR code to pay\* only for some ready countries currently, pls contact our sales for details) is applied to parking lot with a lot of visitors. The cost of barcode ticket is reasonable, and can dispense up to 2,500 pcs barcode ticket for each paper roll (size: 80\*150mm).

## Card dispenser(for Entrance) CMK802



Working temperature	-30°C- +75°C
Power consumed	100W
Power voltage	110V/220V AC 50/60HZ
Card capacity	250 pieces
Communication	RS485, RS232,LAN
Voice and Intercom	Active
Material	A3 steel T=2.0mm
Card reader	ID or IC card
IP	IP54
Dimension	L*W*H: 410*310*1460mm
Net weight	45kg

### Card collect(for Exit)CMK803



Working temperature	-30°C- +75°C
Power consumed	100W
Power voltage	110V/220V AC 50/60HZ
Card collector capacity	500 pieces
Communication	RS485, RS232,LAN
Voice and Intercom	Active
Material	A3 steel T=2.0mm
Card reader	ID or IC card
IP	IP54
Dimension	L*W*H: 410*310*1460mm
Net weight	45kg

## Work flow of exit payment model:

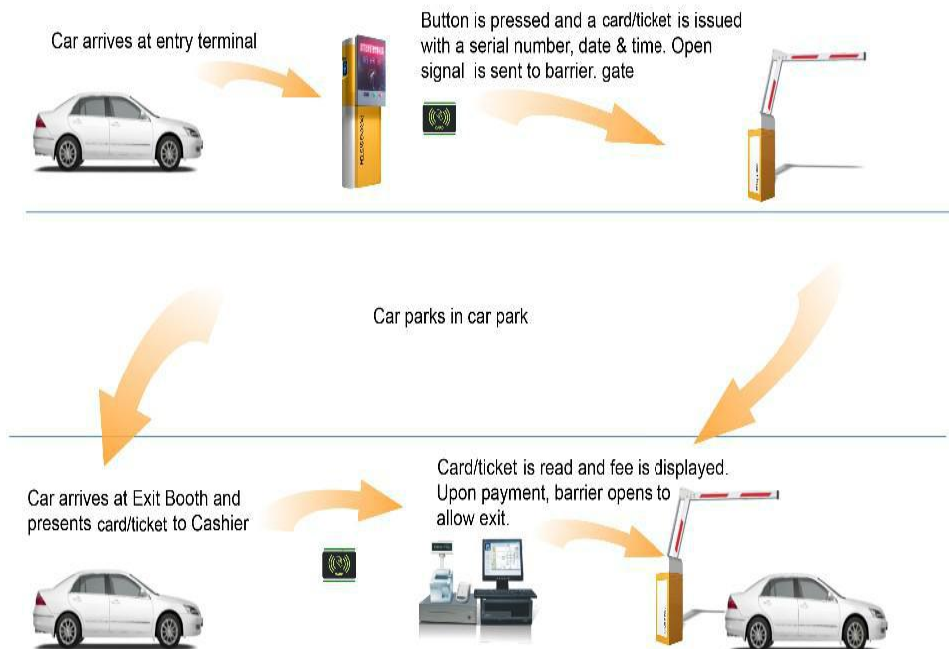
A: Registered parking- Swipe the VIP parking card enter and leave.

B: Temporary parkers(Visitor)

ENTER: vehicle come to the entrance,presence at the coils sensor,drivers press the button of card dispenser,to take a parking card,camera will take a snapshot to store(save) in the system, barrier gate open, vehicle entered, Boom of barrier gate will lay down automatically

Parking...

EXIT: When driver leave, vehicle come to exit, driver pass the card he/she took in the entrance, cashier will read the card with the desktop card reader ,confirm the payment,take a snapshot,store in the system, barrier gate will open,vehicle pass, boom will lay down automatically.



## PAY AT EXIT PARKING SYSTEM

## Work flow of central payment model(include payment machine):

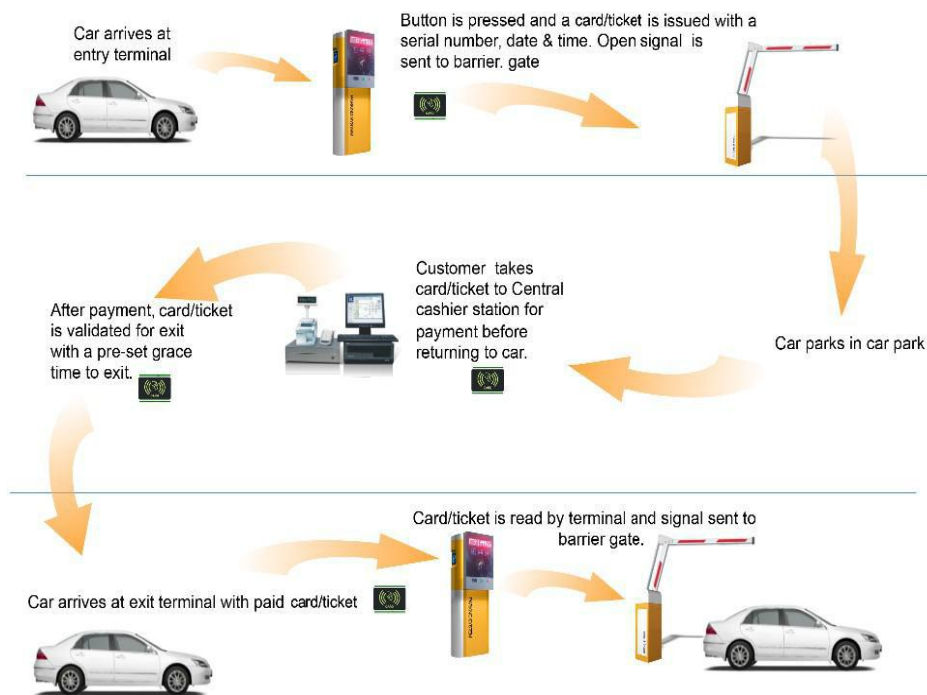
A: Registered parkers- Swipe the VIP parking card enter and leave.

B: Temporary parkers(Visitor)

ENTER: vehicle come to the entrance,presence at the coils sensor,drivers press the button of card dispenser,to take a parking card,camera will take a snapshot to store(save) in the system, barrier gate open, vehicle entered, Boom of barrier gate will lay down automatically

Pay at the automatic payment machine or central manual payment point

EXIT: When driver leave, vehicle come to exit, driver insert the paid card into the card collector, confirm the payment,take a snapshot,store in the system, barrier gate will open,vehicle pass, boom will lay down automatically.



**CENTRAL PAYMENT POINT**

# Hardware of system

APM/APS(If need)



**20 Years** Professional Car Parking Equipment Manufacturer  
+ Parking Integrated Solution Provider

## Other Harware Equipment

Computer Server



Barrier Gate



Loop sensor, parking card, deskop card issuer, camera set, scanner



## Automatic Payment Machine (APM)

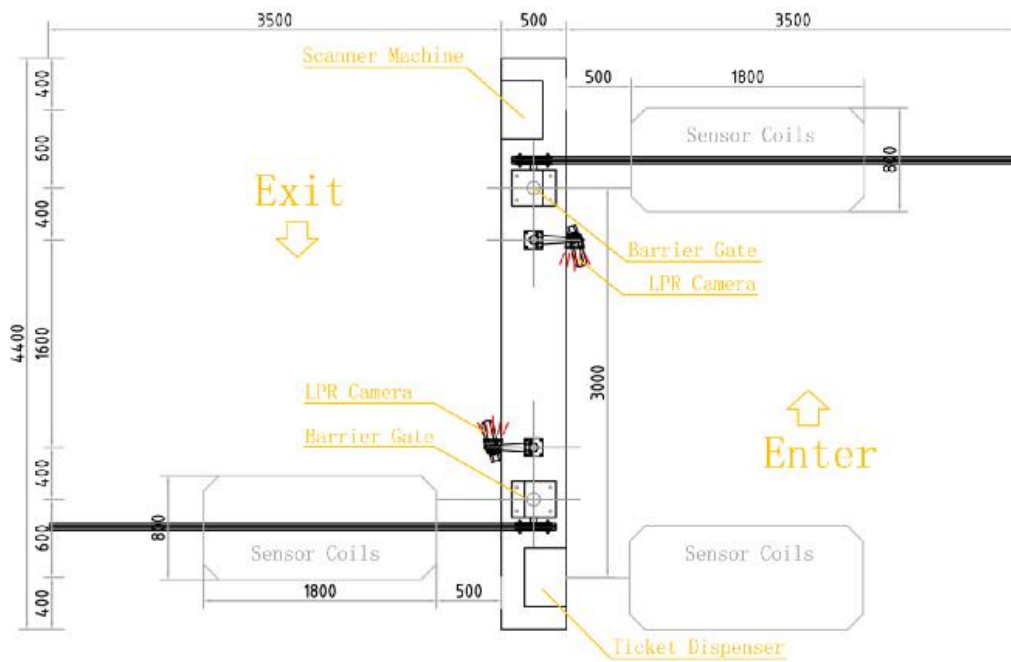
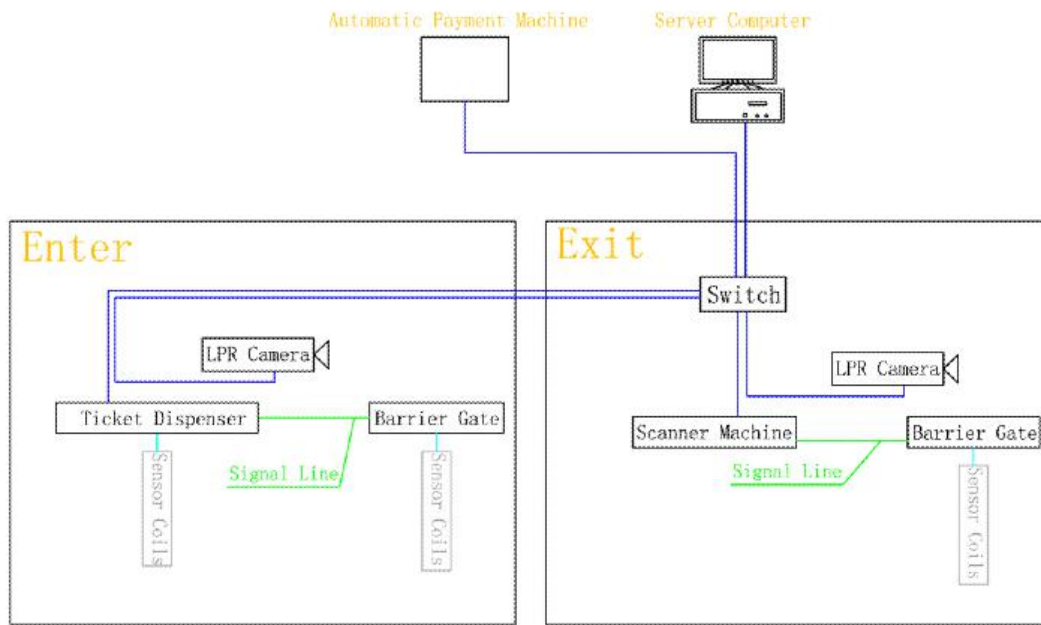




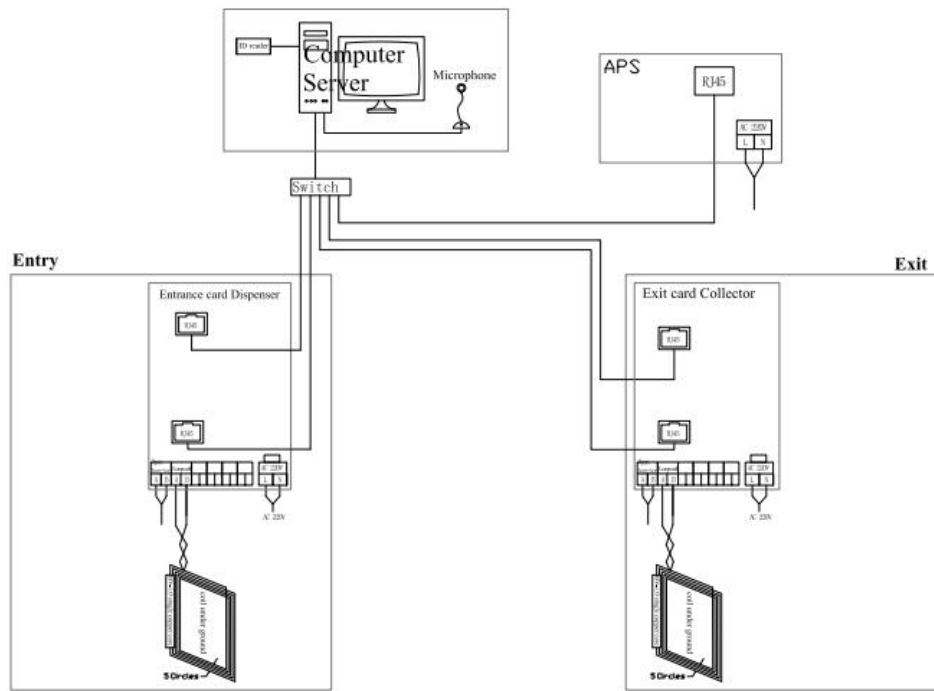


## Engineering and wiring diagram







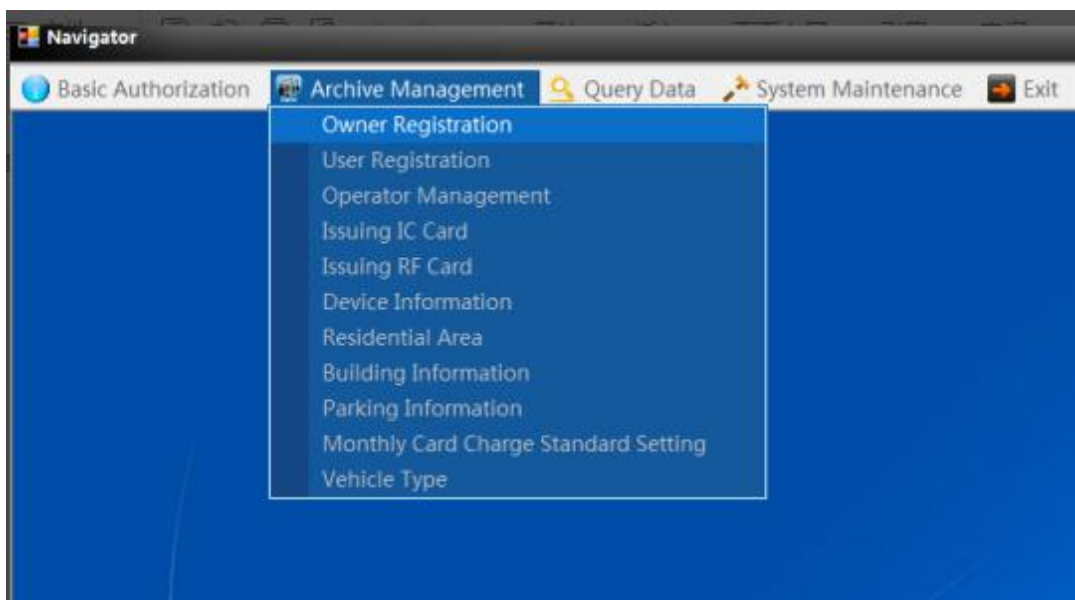
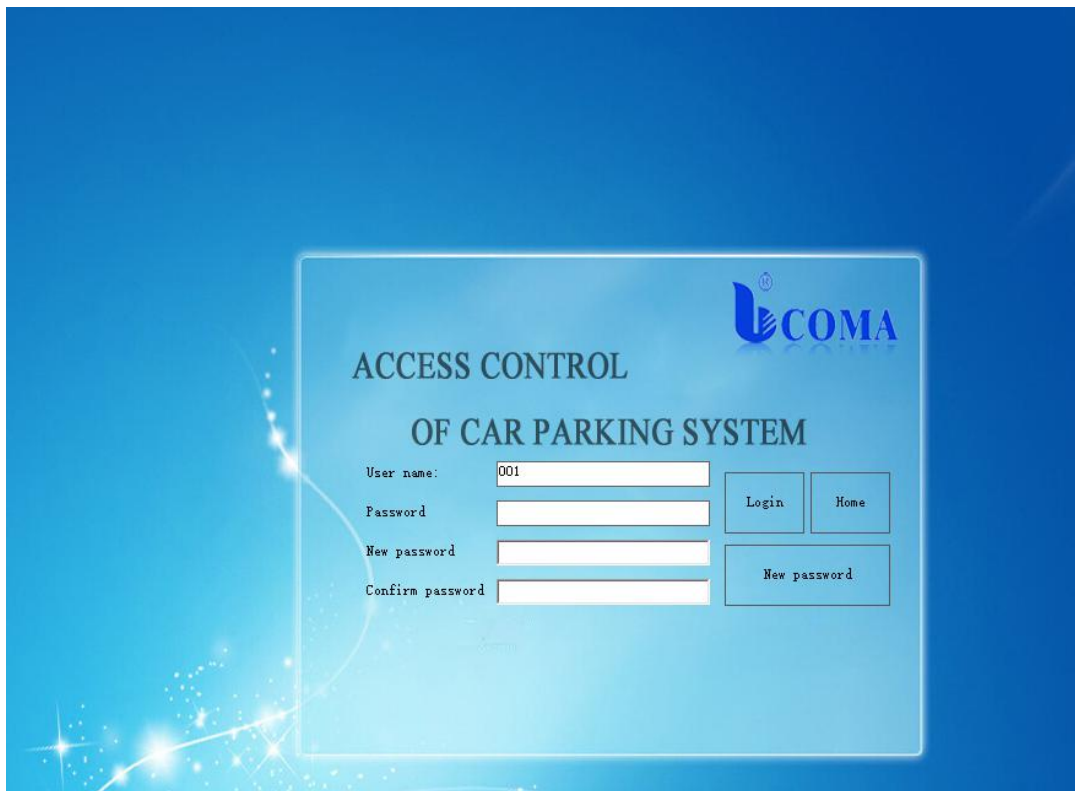


(\*With payment machine)

## Backend management software

#1 can check the parking and payment record,issue parking card etc)

#2 can open API or provide SDK to integrate to third party system



## Toll station software

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

The screenshot shows the 'Charge management terminal' software interface. The main display area is divided into four camera feeds showing vehicles at a toll station. The right side of the interface displays 'InPark Info' for a selected vehicle, including card number, type, plate, and parking time. A large green display shows the amount '19.00'. Below this are buttons for 'Exit', 'VIP Free', 'Confirm', and 'Cancel'. At the bottom, there is a table with columns for 'code/index', 'Fee', 'FreeFee', 'FeeCount', 'cardnum', 'startTime', 'EndTime', 'RealUser', and 'WorkArea'. The status bar at the very bottom shows 'status: User test log in time Date:2016/9/9 10:28:16'.

code/index	Fee	FreeFee	FeeCount	cardnum	startTime	EndTime	RealUser	WorkArea	shift
1201218	51.00	5.00	2	test	2016/01/...		test	PC-20150...	

(Can set parking fee in the system software)