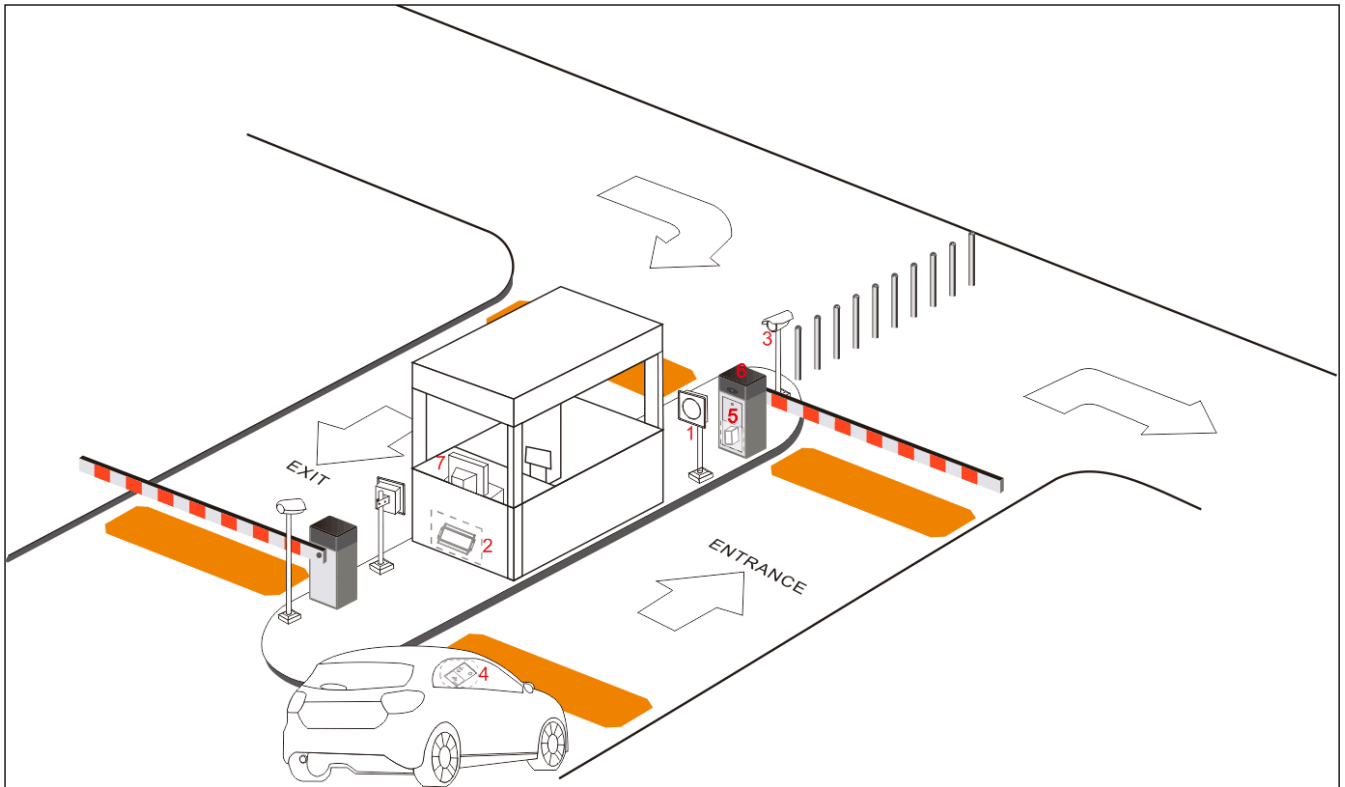


# One Card Solution - Whole Building Security Parking System Solution



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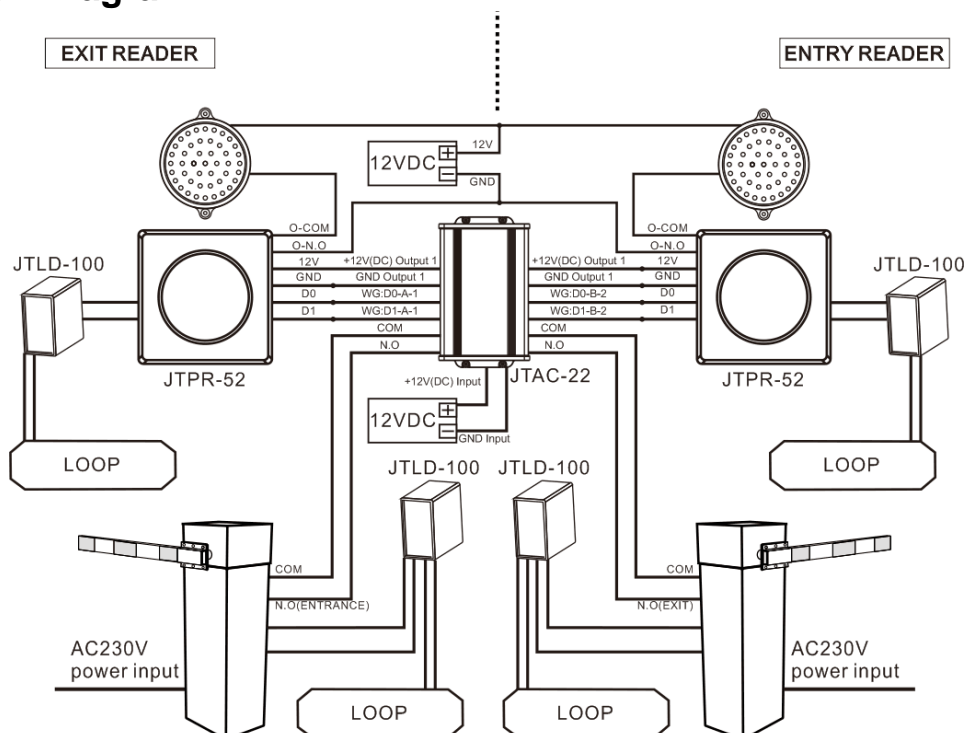
## System Description:

**YCH One Card Solution** - Whole Building Security, the Parking System Solution part, it is targeted for whole building access control system solution. This solution is YCH Very import and highest level solution which has integrate the long range parking system, hands free access control system, hands free elevator system, wireless alarm system, and all of those technology are wireless technology; but it also compatible traditional short rang system like mifare card. JTPR-52 hands free parking reader reading range is (3-5 meters, inside of the vehicle, we use V-KOOL 40 testing.),and connect to YCH parking control broad by TCP/IP connect to computer directly, no need additional convertor, which is very easy and convenient for the user. If customers select 2.45G card, in rainy day no need to wind down windows, no need use your hands to take card, totally hands free solution.

## System Highlight:

- Reader with 3-4 meters reading range inside of the vehicle (V-KOOL 40 testing)
- Wigand 26/34 interface, customers can select our whole solution or can easy to integrate different access control system
- Flexible application; same Tag work with YCH different model reader and which can be used in hands free access control system, hands free lift system, wireless alarm system, all of those we use YCH parking access control software, only one platform and the real one-card solution for a whole building.
- Supporting YCH 2.4G smart tag and standards Mifare card.
- With Nonlinear encryption technology, the card cannot be copied or cracked.
- Waking up and low consumption technology which make YCH smart tag with long range battery life(2pcs CR2032 but with 4 years using life at least)
- Support local anti-Passback function between 2 reader units
- 26,000 users in max
- 100,000 records can be saved(cycle/lost)
- 64 different time zone groups can be setting according to customer different requirement.
- CCTV system integration and image compare function which makes the community and property safe.
- Integrate auto-gate wireless remote control and light control for residence villa, No need to prepare additional remote controller, use YCH solution, one card and one platform is enough.

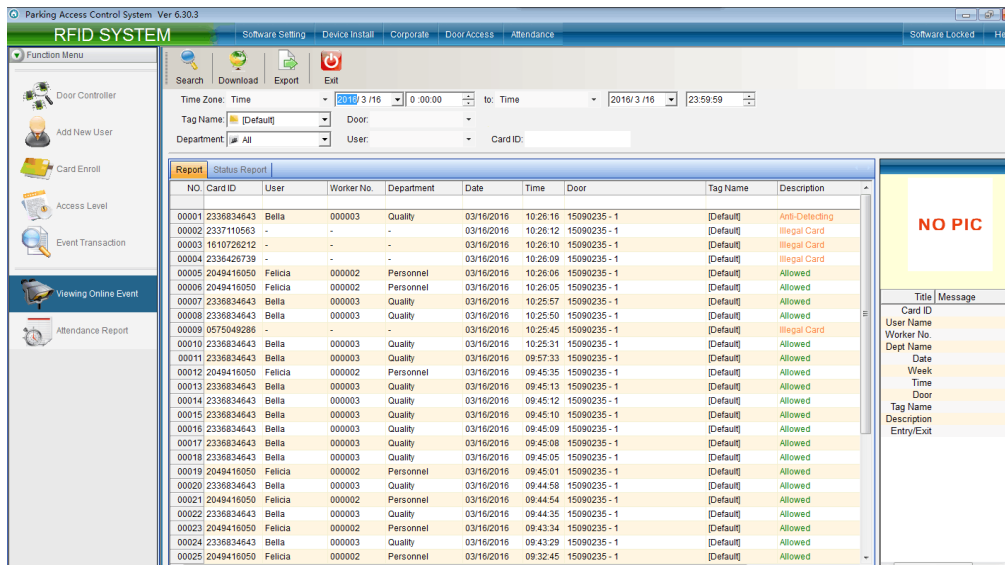
## Installation Diagram:



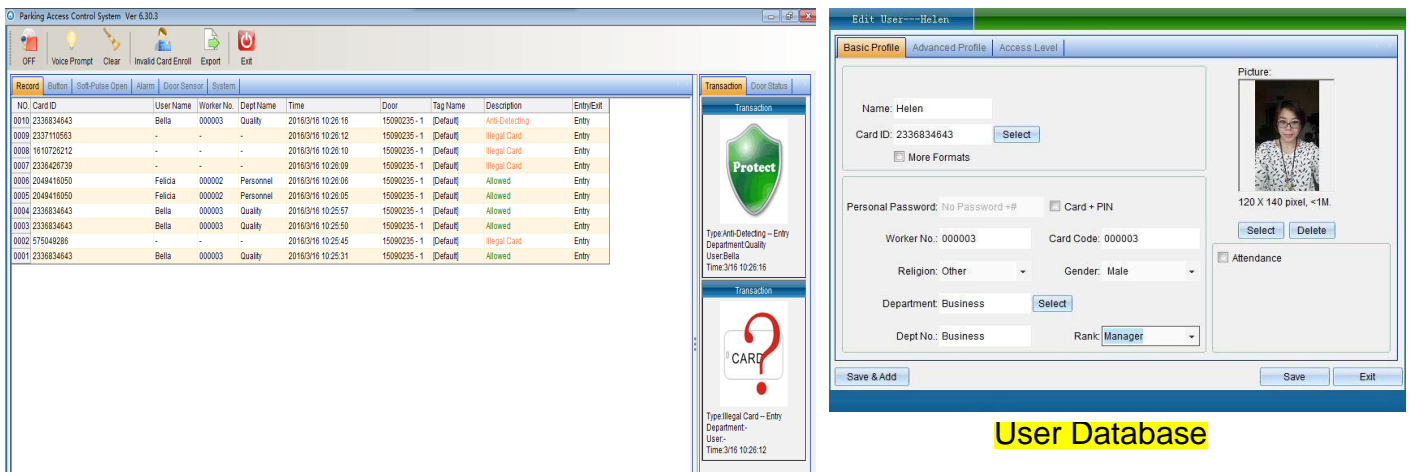
## Configuration List (Standards with one exit and one entrance in parking application)

Model	Qty	Details	Remark
JTPR-25	2	Long range reader	✓
JTID-52/62	2	Long range smart tag	✓
JTLD-100	4	Vehicle loop detector	✓
JTBR-100	2	Gate barrier	✓
JTAC-22	1	TCP/IP controller	✓
JTAB-1	1	Metal box with camp lock	✓
Nova150	1	Backup battery	✓
Surge protector	3	Signal /power protect	Optional

**YCH Parking Access Control software** offer clean and simple screen and which make the safe guard feel comfortable and easy to operation. It allow simplified interface to add / edit / delete users. YCH Parking Access Control Software also offers filtering option to customized report as per your need. Text file database is easier to manage and can be installed into any low end PC.



Clean interface easier to review all online transaction



User Database

Easy Report filtering

## System Working Principle:

- When the vehicle on the loops which connect to the entry long range reader. YCH smart tag will waked up by 125mhz frequency and communicate with long range reader.
- After reader received the tag signal and send the data to controller by Wigand interface, barrier will open automatically after judging the card ID is valid. (if invalid , barrier will not open).
- After the vehicle passed the second loops under the entry barrier, and the barrier arm will down automatically.
- When YCH smart tag left the waking up range, it will go into the sleeping status for energy saving and let battery keep long using life.
- The software in the manager Centre will show the real on line transaction event , and also can export EXCEL report.
- When the vehicle on the loops which connect to the exit long range reader, YCH Smart tag will be waked up also and will communicate with long range reader.
- After reader received the tag signal and send the data to controller by Wigand interface, barrier will open automatically after judging the card ID is valid. (if invalid , barrier will not open).
- After the vehicle passed the second loops under the exit barrier, and the barrier arm will down automatically.

Note: Under Anit-passback function, if want to re-entry, the vehicle must exit firstly after entrance. This function is for avoiding invalid entry if some people not have valid card or not belong to this residence

