



Parking Management System

Fujica AIC parking system, ie. Advanced Intelligent Control parking system, adopts 32-bit ARM technology, intelligent card, and RS485, TCP/IP technology together to build up a high speed, reliable and stable parking management system.



FJC-T6

Entrance/Exit Control Terminal

According to end user's preferences or the site situation, PMS entrance/exit Control Terminal can be equipped with either barcode or proximity card technology, or you can also choose to equip both if necessary.



For entrance control terminal, bar code printer and card dispenser can be equipped



Bar code printer

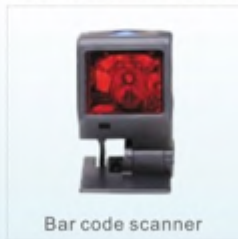


Card dispenser

For exit control terminal, bar code scanner, card collector or ticket collector can be equipped



Card collector



Bar code scanner

More Entrance/Exit Control Terminal Options



FJC-T12



FJC-T8



FJC-T2



FJC-T3



FJC-TX6



FJC-T18B

Functions and Features

- ◆ Use 32-bit ARM processor, highly improves the system speed and keeps the system in real time.
- ◆ Simply system setting by software.
- ◆ Using RS-485 communication interface as the underlying support, using TCP/IP protocol for the network connection.
- ◆ Off-line processing function, remote operation available when connect into network.
- ◆ Cabinet is designed waterproof, dustproof and rustproof.
- ◆ Voice prompt system available.
- ◆ Picture contrast function available.
- ◆ Compatible with IC card, EM card, CPU card, RFID card and Barcode ticket.
- ◆ Management software is compiled under windows environment, easy access to large DBMS.
- ◆ Automatic statistics report.
- ◆ Flexible system configuration, can be extended to multi-level parking lot management system.
- ◆ Multiple charging mode.

Technical Data

Housing Size	1380H×460W×320D (mm)
Housing material	Steel, Tempered glass
Card type	IC, EM, CPU, bar code
Card dispenser/collector	Optional
Communication	RS-485; TCP/IP
Card no. capacity	50,000 pcs
Record capacity	30,000 pcs
Database type	SQL server 2000
Operating system	Windows 2000/XP
Working temperature	-30℃ to 70℃
Working environments	indoor, outdoor
Relative humidity	≤95% coagulation free

Discount Point Reader

When multiple users share one parking management system, each user can set its own discount rate for their customers. By reading card on this Discount Point Reader, consumer can get preset specific discount before he pays.



FJC-T637P

Working Temperature	-30℃- +70℃
Working Voltage	AC/DC12V
Communication Interface	RS485/RS232
Reading time	≤0.2S
Record	1000 pcs
Relevant Humidity	≤95% coagulation free
Driving current	≤500mA
Card type	Mifare-1
Loss-reported card no.	900 pcs
Communication distance	1200m

Simplified Controller

This simplified controller can replace traditional Entrance/Exit Controller completely. Users can set or change system functions by this controller directly, or initialize the system database. The system time, system status, entry/exit time and charging amount etc. can be displayed on the LCD screen. Users can also read and write card on this unit, barrier gates can be connected to this unit and controlled by it.

Working Temperature	-30℃- +70℃
Working Voltage	AC/DC12V
Communication Interface	Rs485
Reading time	≤0.2S
Record	30,000 pcs
Black List	50,000 pcs
Relevant Humidity	≤95% coagulation free
Driving current	≤500mA
Card type	Mifare-1
Size	135*200*45 mm
Communication distance	1200m
Installation	wall-mounted or desk-topped



FJC-TA627

Paying Station

By reading card or scanning bar code ticket, the software will pop up the parking fees that need to charge.



bar code scanner



Card reader for transaction



FJC-ZZ19A



FJC-ZZ19B

Automatic Paying Machine

With 17" touch screen, Fujica Auto Paying Machine is a humanized and easy to use front-end device used in Parking Management System. It offers multi-functional self-services, such as auto paying, information querying and advertisement etc.

Long Range Reader

Long range reader is also available for choice up to different site requirements.



FJC-SL01Parameters

1. Working temperature:-40℃~+85℃;
2. Reading angel:Directional reading(up to 78.8°);
3. Radio-frequency power:-20dB~0dB ad justable;
4. Working frequency:2.4GHz~2.4835GHz ISM microwave band, 128 channels, bandwidth 8MHZ;
5. Reading distance:3-15 meters, adjustable;
6. Data transfer rate:1Mbps;
7. Signal receiving sensitivity: -90dBm;
8. Communication interface:RS232/RS485/Wiegand;
9. Asynchronous communication rate:9600~921600BP.



FJC-SL02Parameters

1. Working frequency:920~925MHz,hopping or fixed frequency operation;
2. Reading distance: 6~12 meters;
3. Reading card sensitivity:unipolar reading card;
4. Reading time:<6mS;
5. Working power:DC+9V~+28V;
6. Storage temperature:-40℃~+125℃.

Peripheral Equipments



Software

Parking Management System Software

Fujica Parking Management System Software is used by paying station operator to manage the entrance and exit timely and monitor the hardware working status. The software is part of Fujica parking management system, and it is designed to support on site management.

Main Functions:

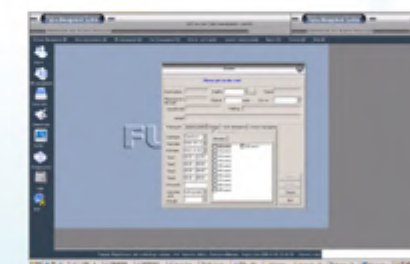
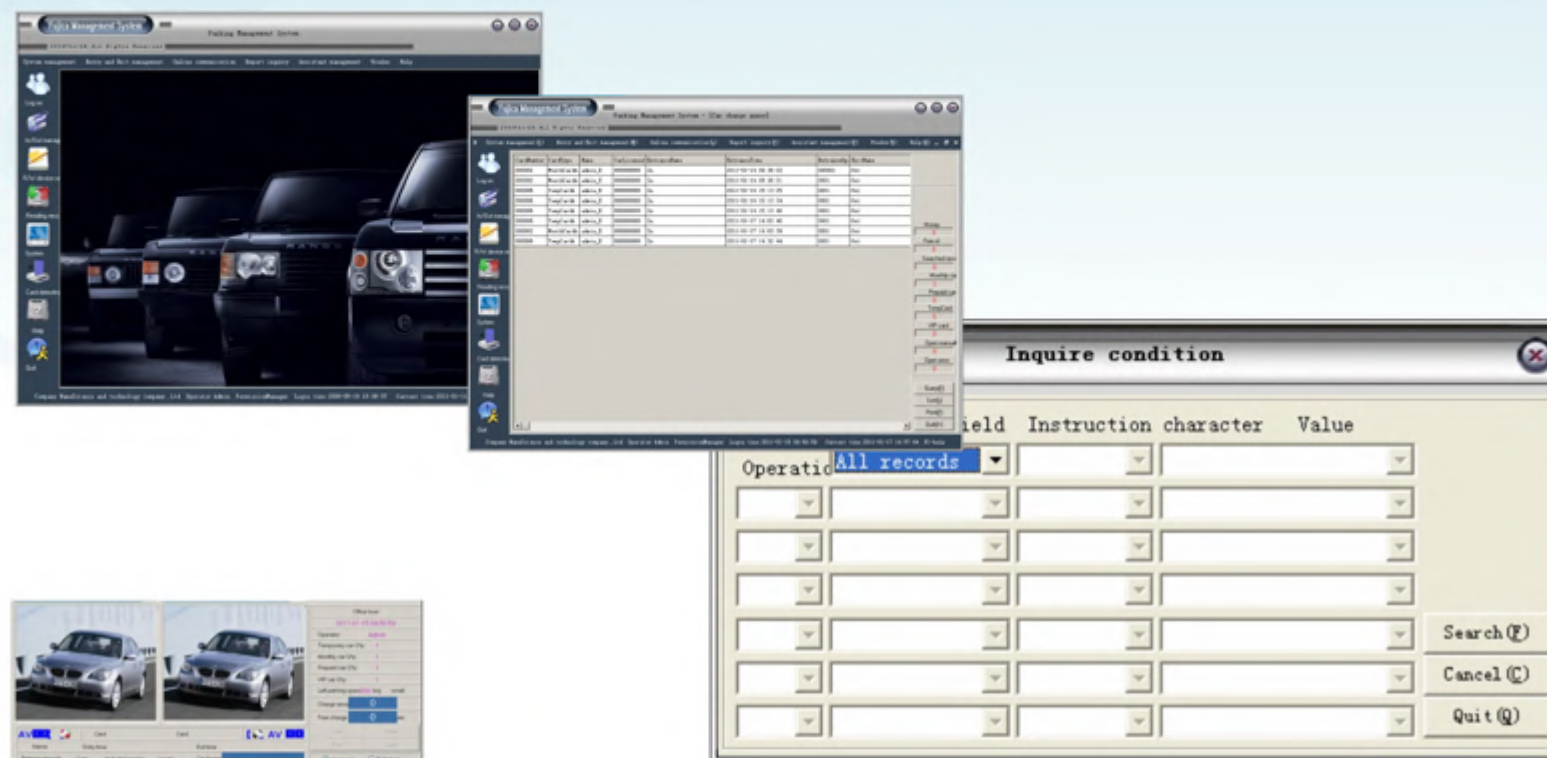
1. Monitor the working status of the hardwares (boom barrier, vehicle detector, card dispenser, display screen, main board etc.);
2. Control open, close and stop of boom barrier, prompting the abnormal status of the Card dispenser such as card used out or too few cards left;
3. Stop card reader and card dispensing on the entrance control terminal when there is no available parking space. But for some special status, operator still can get card from card Dispenser by software operation;
4. Flexible set permissions and relative functions for different cards;
5. Support picture contrast function;
6. Record illegal cards and barrier gate illegal opening;
7. Query real-time free parking lots and entry and exit record for all the time and corresponding image data;
8. Support universal queries, which means the user can define query conditions according to various requirements and get relevant reports;
9. Compatible with TCP/IP protocol, which enables Fujica parking system connect to Internet, and in the future to suit the Internet of Things Development Trend.

All-In-One Card Management Software

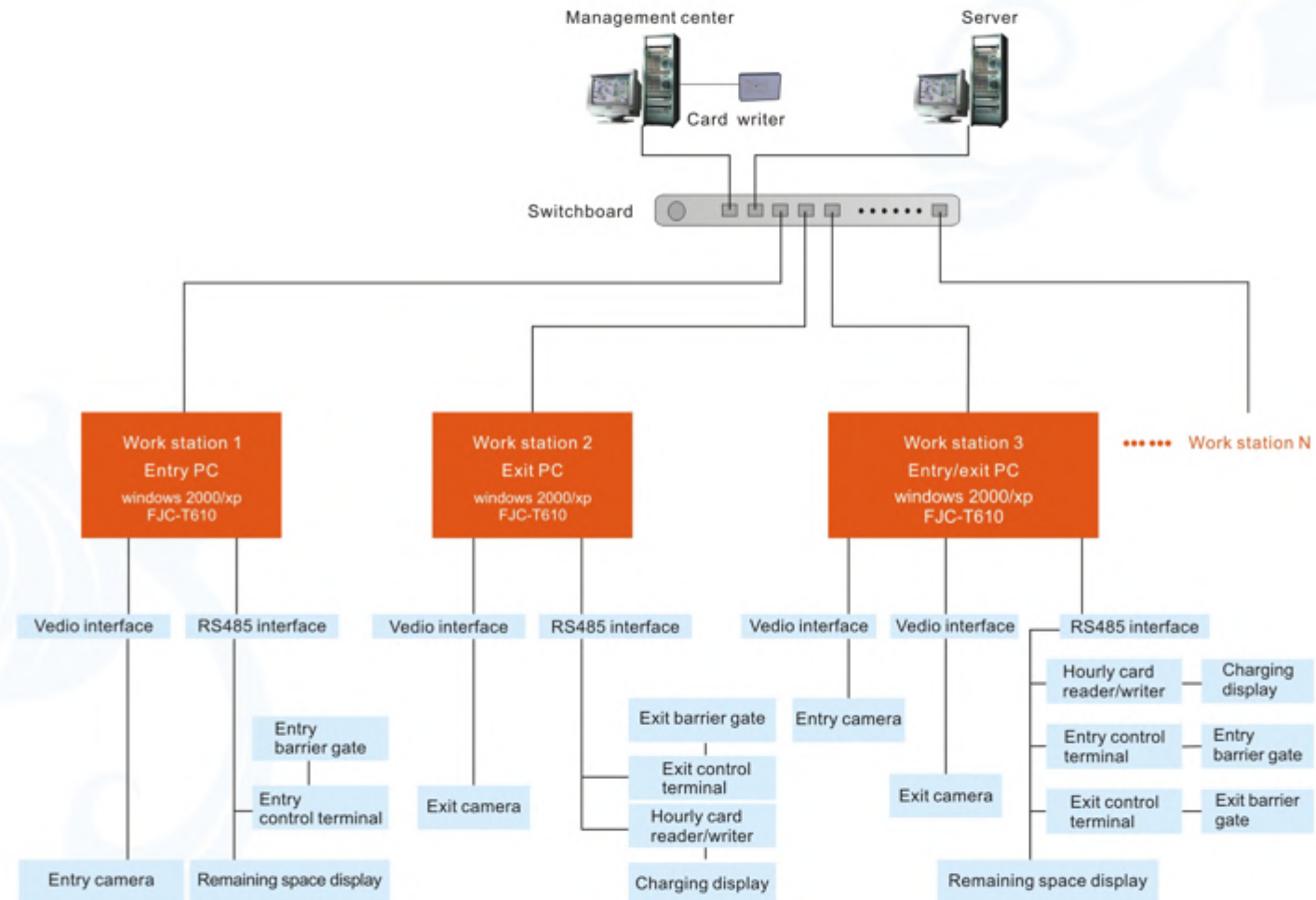
All-in-one card management software is the authorization part of the software for Fujica parking management system. It is based on an open and stable data platform, which can be run on Microsoft Windows series operating systems and SQL Server series database platforms.

Main functions:

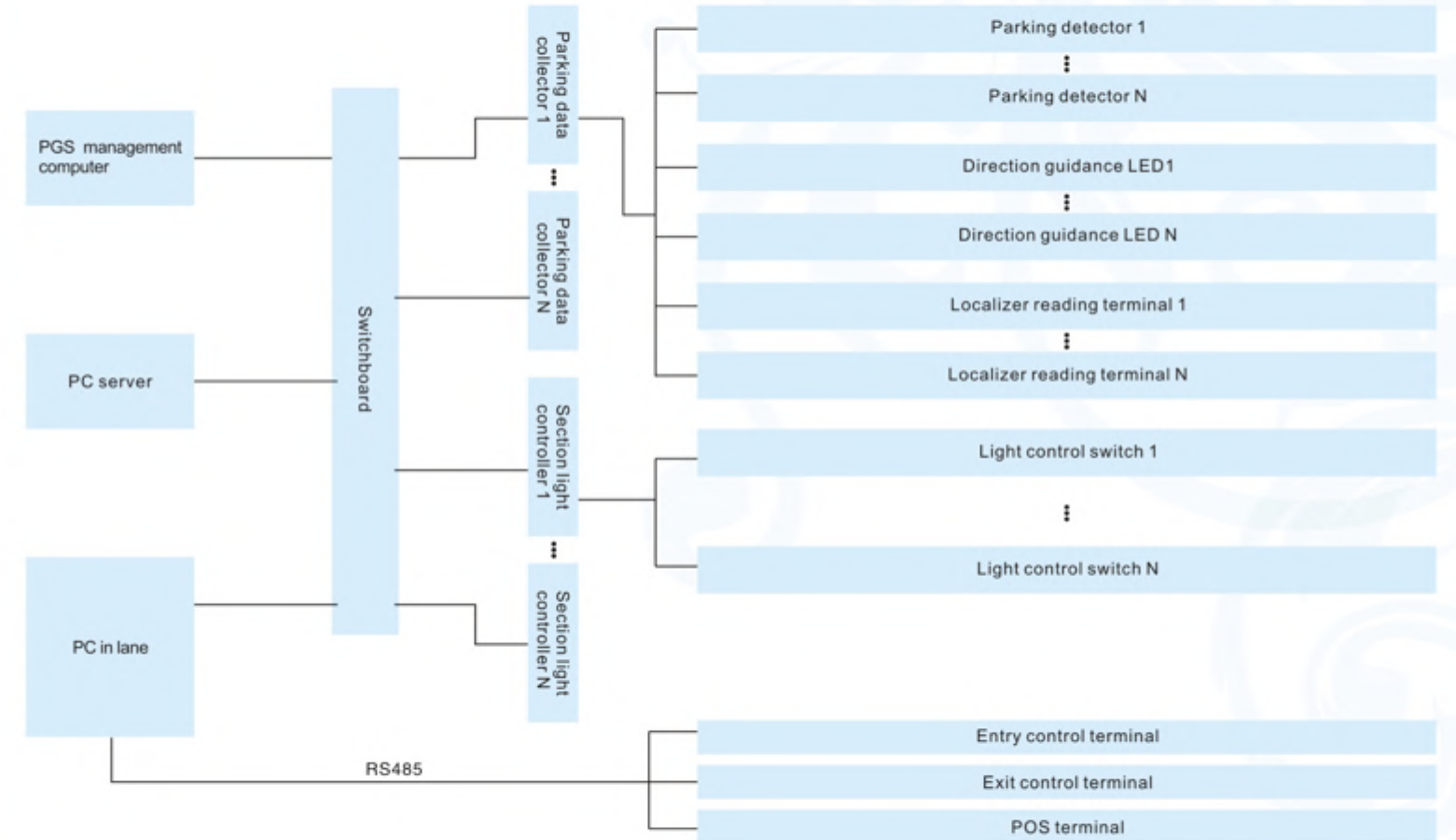
1. Manage personal information of operators and the permanent users;
2. Set account and assign permissions for different operators, and query daily duty tables of the operators;
3. Manage the printing of statistical reports, create report according to a certain period such as daily, monthly and yearly;
4. Card issuance, recharge, card extension and loss-report etc;
5. Recover and correct card data;
6. Data backup, filling and cleaning up.



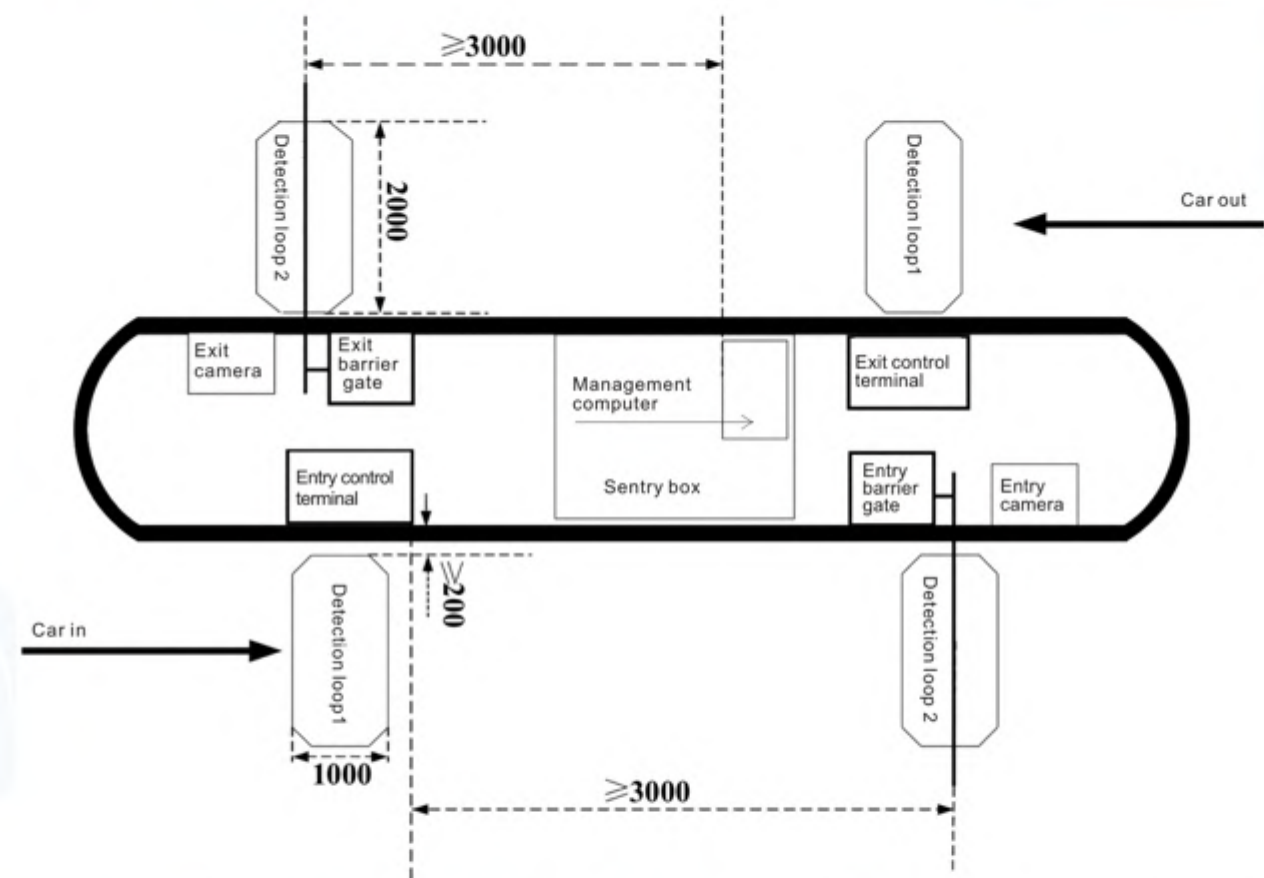
► System Network Topology Chart



◀ Parking Guidance System



► System Equipment Allocation Chart



1. At every entrance or exit, the distance between control terminal and barrier gate should be no less than 3 meters, to ensure that vehicles will not hit the barrier gate when the driver Reaches the control terminal to read card.
2. The detection loop for barrier gate should be located under the barrier gate arm to protect vehicles from hitting by the arm.
3. The distance between two detection loops should be more than 2 meters to ensure there is no interference between each other.
4. The camera should be mounted under the barrier gate to ensure that the image captured is clear enough to identify the plate number as well as the front of the vehicle.



- ① Exit camera
- ② Detection loop
- ③ Remaining space display
- ④ Exit barrier gate
- ⑤ Exit Fare-collecting computer
- ⑥ Exit control terminal
- ⑦ Entrance barrier gate
- ⑧ Entrance camera
- ⑨ Detection loop
- ⑩ Entrance control terminal
- ⑪ Detection loop

Parking Management System Applications



