MaCaPS Access Control Solutions

Car Park Access Control & Monitoring System

Car Park Access Control & Monitoring System is an intelligent distributed system used to provide an integrated real time door access control and monitoring via TCP/IP network. It can support not only various card readers including Octopus, Proximity, Mifare and RFID but also biometric devices for additional security. The system composes of intelligent embedded server(s) to provide ON/OFF line operation, which can prevent interruption of service in case of workstation or network failure. The system also comes with a large selection of reporting formats to enhance administration management.
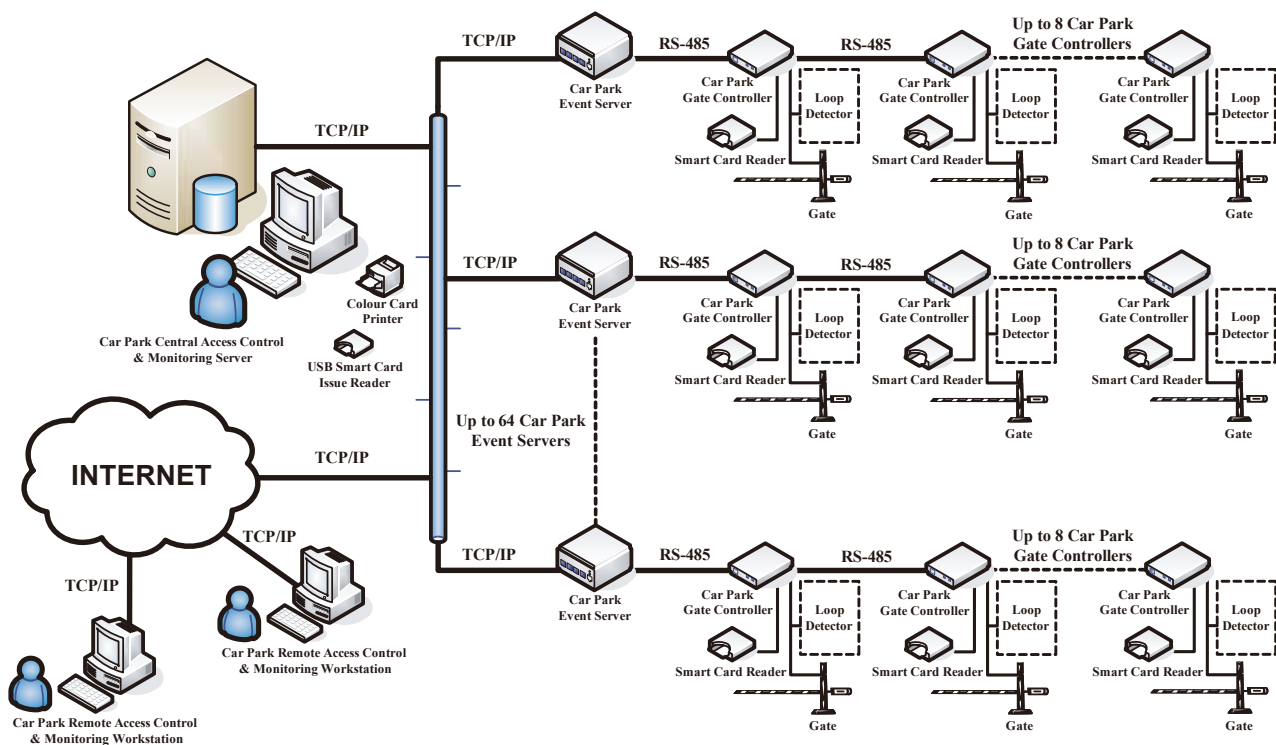
General Features

- Centralised control, monitoring and configuration over TCP/IP network
- Remote control and monitoring
- Real time transaction display
- Comprehensive report generation
- Multi level administration
- Multiple time zone setting
- Multiple car park entry
- Group anti-passback

- 16000 users / 14000 transactions capacity
- One-stop card issuing
- ON/OFF line operations
- Real time clock
- Octopus, Proximity, Mifare and RFID readers compatible
- Biometric devices support
- 3-year battery backup for data retention
- Bilingual graphical user interface
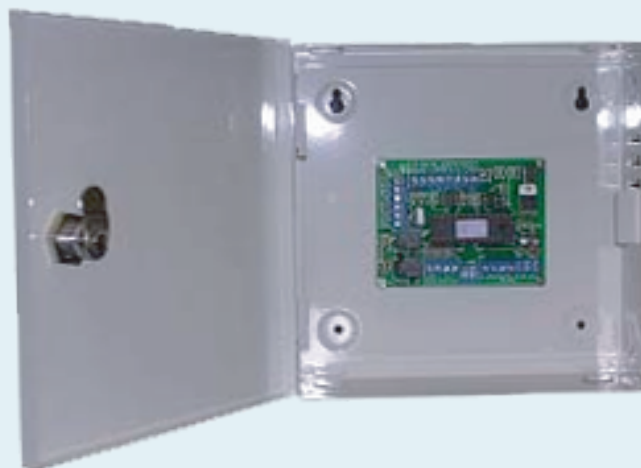- Adaptable on Windows 2000/XP/7

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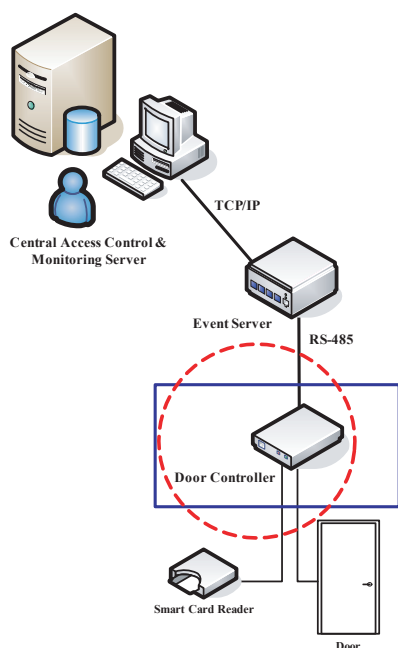
Door Controller

Door Controller is used to monitor the door status and provide a single point for all door accessory connections so that the device cabling can be minimized. Besides, intelligence has been built-in to support various card ID lengths and card technologies such as Octopus, Proximity, Mifare and RFID etc.

General Features

- Provide a single point for all the door accessory connections
- Monitor the door status and alert for abnormal situation
- Support RS-485 connection for long distance wiring (Up to 1.2Km)
- Support Octopus, Proximity, Mifare and RFID type readers
- Support readers using Wiegand connection interface
- Support in and out reader inputs, door lock output, alarm relay output, door release button input and door sensor input

System Architecture

Specifications

Communication	RS-485 to Event Server
Support Reader Type	Octopus, Proximity, Mifare and RFID etc.
I/O (Input/Output)	2 x Reader inputs (In reader / out reader)
	1 x Door lock output (NC/NO selectable)
	1 x Alarm relay output (NC/NO selectable)
	1 x Door release button input
	1 x Door sensor input
Watch Dog Portection	Supported
Operating Temperature	0°C to + 50°C
Dimension	205mm x 205mm x 64mm
Weight	1.4kg
Power Supply	12VDC, 200mA

*All specifications are subject to change without any notice.

MaCaPS Access Control Solutions

Event Server

Event Server is an independent decision making embedded system designed for managing Door Controllers and verifying user access privilege according to the latest downloaded settings. It can manage up to 8 sets of Door Controllers over RS–485 network and able to connect with the system server via TCP/IP network for centralized control and monitoring.

General Features

- Support 16000 users / 18000 transactions /128 door groups
- Support 128 time zones and 16 holiday periods
- Use embedded system with fast restart time
- Support centralized control and monitoring over TCP/IP network (10Mbps)
- Provide local and distributed intelligence
- Support 8 Door Controllers over RS-485 network (1.2Km)
- Provide real time clock
- Provide 3-year battery backup for transactions and system clock
- Provide LEDs for indication of each door

System Architecture
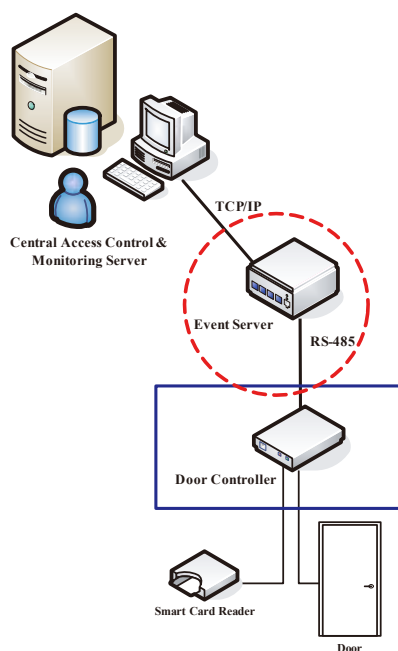
Specifications

Communication	TCP/IP to PC server, RS-485 to Door Controller
Capacity	16,000 users / 18,000 transactions / 128 door groups Expandable to 32,000 users and 36,000 transactions
Max. Controller Quantity	Up to 8 Door Controllers (in/out) per Event Server
Battery Backup	3 years
Watch Dog Protection	Supported
Operating Temperature	0°C to + 50°C
Dimension	132mm x 80mm x 28mm
Weight	100g
Power Supply	12VDC, 300mA

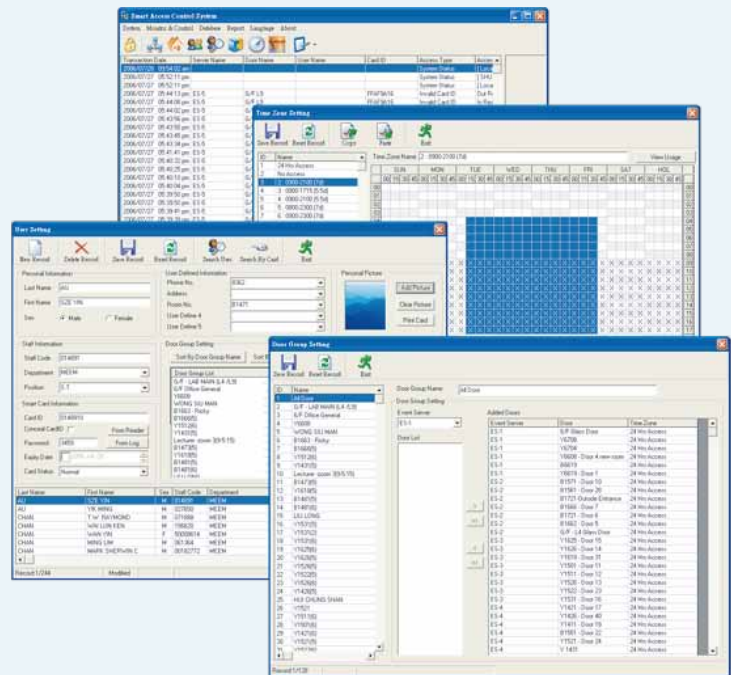*All specifications are subject to change without any notice.

MaCaPS Access Control Solutions

# Central Access Control & Monitoring Software

Central Access Control & Monitoring Software is a server side program designed for centrally monitored, controlled and configured of all door access via TCP/IP network. In order to fulfill this, all-rounded functions like access control management, real time monitoring, transaction storage and report generation are accommodated.

General Features

- Provide centrally control, configure and monitor

- Support remote control and monitoring

- Provide real time transaction display

- Provide comprehensive report generation

- Provide multiple time zone setting

- Support badge design and printing

- Support photo imaging

- Provide email notification

- Support multiple client connections

- Provide bilingual graphical user interface

- Support Windows 2000/XP/7

System Architecture

Central Access Control & Monitoring Server

TCP/IP

Event Server

RS-485

Door Controller

Smart Card Reader
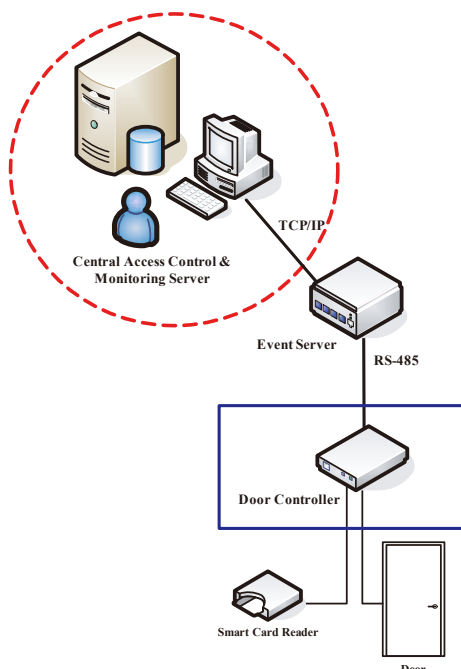
Door

Specifications

Report	Door transaction report
	User information report
	User in/out transaction report
	Late arrival and early leave reports
	Absent report
Time Zone	128 user configurable time zones
Holiday	16 user configurable holidays
Access Methods	Card Only / Card + PIN / PIN Only
Capacity	16,000 Users / 128 Groups
Language	English / Chinese
Operating System	Windows 98 / Windows 2000 / Windows XP

*All specifications are subject to change without any notice.