

# CP3

## Parking access control package

### Dual lane, medium capacity

**SOYAL**

Access Control System

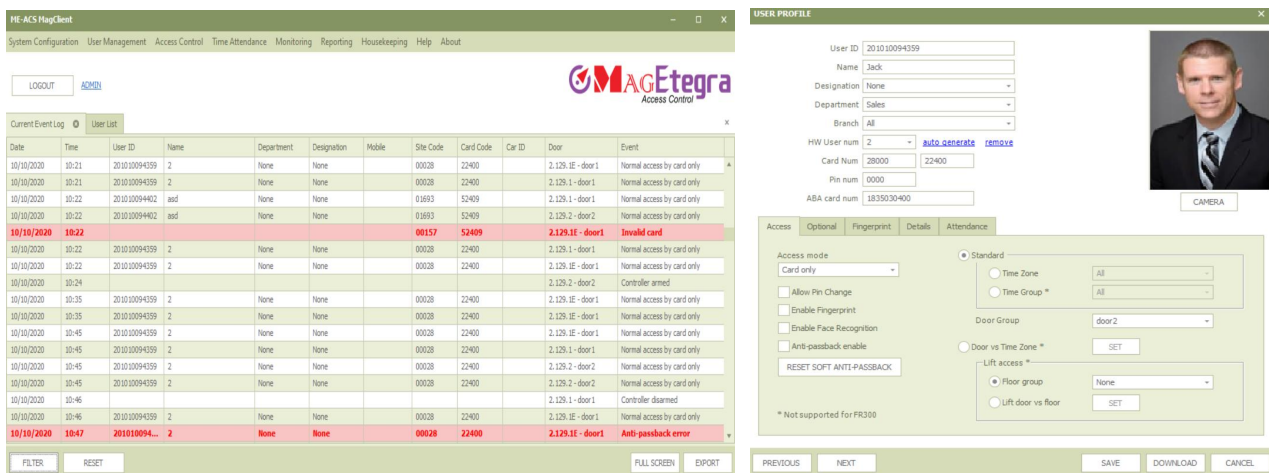
Date: 18 March 2022, Revision: V3

### General Description

Management can define access permission who is allowed to come in at which barrier lane and at what time. Support **local anti-pass back** between two readers. Support up to **3000 cards** and **11 time zones**. All user profile is kept in the PC software for ease of maintenance. Each user can be assigned an **expiry date** (for paid season parking or easy for the condominium management team to collect monthly maintenance fee). Once the initial setting is completed, the CP3 system is fully operational without a PC. PC can be turned on only when the operator wants to add/edit/delete the user profile or view the event log.

During entry or exit, flash the access card in front of the reader. Upon identity verification, the controller will trigger the barrier gate to open. The reader will reject expired and invalid card numbers.

ME-ACS software is user-friendly and offers a clean GUI instead of crowded the screen with unnecessary functions. Operator or security guard with minimum IT knowledge to operate the software easily.



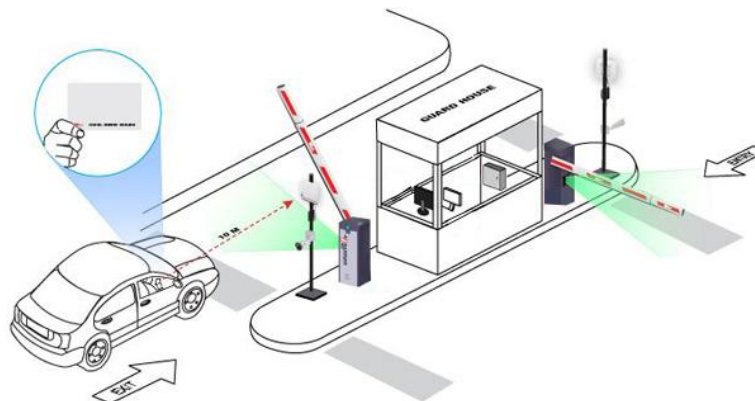
Clean interface and easier to review event log

User profile

Ideal parking access solution for small to medium size condominium, residential gated community building and factory.

### Ordering Information

Each CP3 system consists of 1 x Main system (CP3M) and 2 x reader units (CP3R1/R2/R4). Controller of CP3M that installed inside guardhouse is connected to PC for user profile and access control management via [MagEtegra ME-ACS software](#).



## Main system unit - CP3M

Qty	Equipment
1 pcs	SOYAL <a href="#">AR716-E02</a> dual-door controller
1 pcs	12V, 3A <a href="#">power supply</a>
2 pcs	Relay with base
1 pcs	Metal box with cam lock
1 pcs	SOYAL <a href="#">AR321CM</a> RS485 to USB converter
2 set	MAG <a href="#">barrier gate</a> with <a href="#">loop detector</a>

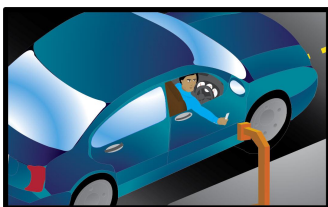


### Recommended surge protector:

Qty	Equipment
1 pcs	TP 4/12 to protect WG1 and WG2 at controller.
3 pcs	C-240AC to protect AC230 power at main MCB and 2 barrier gate.
4 pcs	MD-4CCU12V for UP, COM, DOWN and STOP input signal at both barrier gate board.

## Reader unit for short range – CP3R1

Affordable short-range reader (8 cm). The user winds down the car window to flash the card. This allows the guard to verify the person inside the car for any suspicious intention.



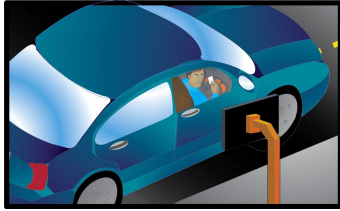
Qty	Equipment
2 pcs	SOYAL <a href="#">AR721K</a> reader
2 pcs	Gooseneck
Any	Support <a href="#">CDS18</a> proximity cards

### Recommended Surge Protector

Qty	Equipment
2 pcs	PD-12FG to protect RS485 data and 12V at the reader.

## Reader unit for medium range – CP3R2

Best value mid-range reader (70 cm-120cm). Reading range depends on the solar film used. User no needs wind down the window; just flash the card from the comfort inside the car. It is more convenient and eliminates the problem of the hand getting wet during rain.



Qty	Equipment
2 pcs	MAG <a href="#">AR200U</a> reader with 19.2V DC power adapter.
2 pcs	<a href="#">Gooseneck</a> .
2 pcs	Weatherproof acrylic housing and bracket.
Any	Supports <a href="#">CDS18L</a> long-range card

### Recommended Surge Protector

Qty	Equipment
4 pcs	PSP24 to protect 19.2V DC power input at AR200U and power adapter in guardhouse.

## Reader unit for long range – CP3R4

AR300U Xclone is an ultra-high frequency (UHF) long-range reader that reads up to 10 meters (free air reading) to open the barrier gate ahead of time for smoother traffic. Final reading range depending on the type of solar film installed on the car, interference at the site and proper card reading angle.

AR300U Xclone has been approved by SIRIM to comply 919Mhz to 923Mhz frequency as required by Malaysia regulation. It is not affected by Malaysia's TnG RFID sticker.



Qty	Equipment
2 pcs	MAG <a href="#">AR300U Xclone</a> reader
2 pcs	<a href="#">Metal pole</a>
2 pcs	Small PVC box for surge protector and wiring termination (not included and to be purchased separately).
1 set	1 x <a href="#">NVS1230P</a> power supply for every 2 x long range reader unit
Any	Support following cards: <a href="#">CDUS133L</a> - UHF card <a href="#">CDUE133L</a> - Hybrid UHF and EM <a href="#">CDUM133L</a> - Hybrid UHF and Mifare <a href="#">CDUT133L</a> - UHF sticker

### Recommended Surge Protector

Qty	Equipment
2 pcs	PD-12FG to protect RS485 data and 12V at AR300U Xclone reader.
1 pcs	PSP12 to protect NVS1230P power supply at guard house.

## Surge protection

All readers, controllers and barrier gates installed outdoor are easily damaged by lightning surges therefore it is very important to install surge protection. The problem is more severe for the site at the hill area. The higher the site, the higher the risk of being exposed to lightning surges. With proper EARTH connection, LPS's [SPD](#) offers full protection.



[C-240AC](#) protect AC power in barrier gate.



[PD12FG](#) protect data and 12V for long range reader.



[TP4/12](#) to protect 2 x data port.



[PSP12](#) protect 12V DC.



[PSP24](#) protect 24V



[MD-4CCU12V](#)  
Lower cost surge isolator for data and 12V.



[MD-4CCU24V](#)  
Lower cost surge isolator for data and 24V.