



ACCESS CONTROL SYSTEM

SOYAL intro

SOYAL Technology was established in 1993 as a reputable manufacturer of access control systems in Taiwan. SOYAL design philosophy offers versatile usage beyond access security. It can be integrated into automation and industrial application. SOYAL system offers unique cascading architecture that allows scaling up of security system level without replacing existing equipment as the customer grows.

SOYAL has been a MAG technology partner for more than 15 years in Malaysia. MAG offers strong after-sales and warranty services to support the SOYAL hardware product line. MAG developed MagEtegra ME-ACS access control software and ME-VMS visitor management software to bring SOYAL equipment to the next level.

SOYAL's highly stable good quality hardware with MagEtegra's innovative user-friendly software is the perfect combination of total security solution that brings you peace of mind.



Content

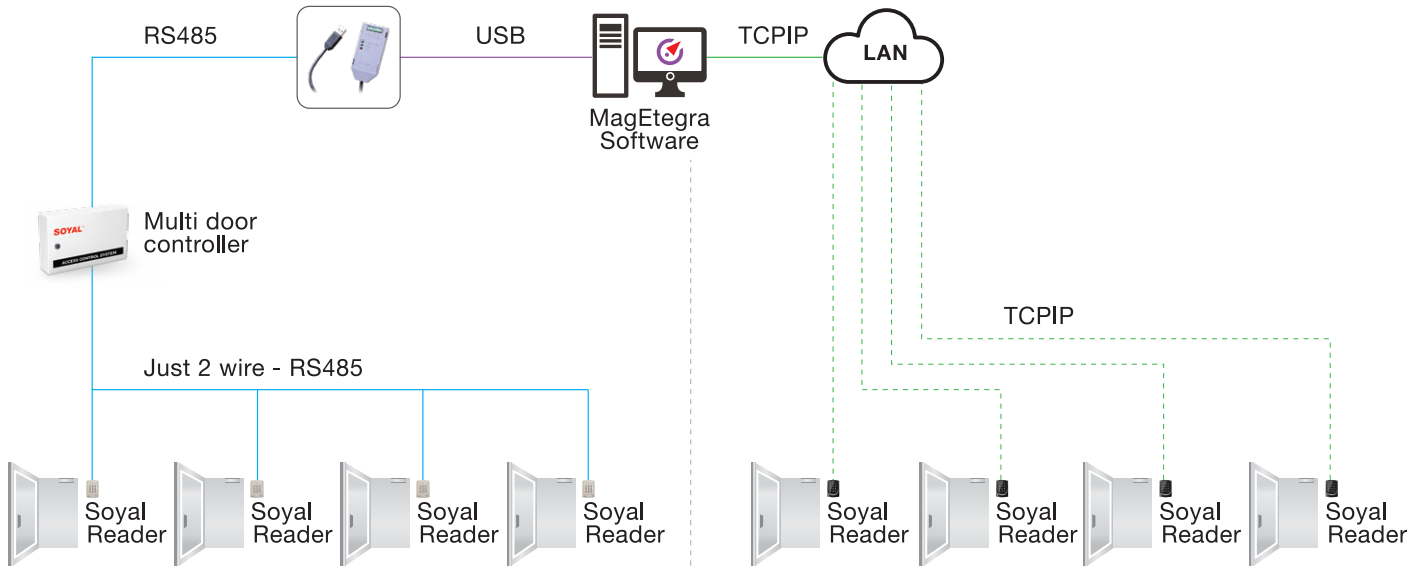
You can feel peace of mind knowing that the safety of your building's user is assured with our total access security and automation solution. By choosing the right gate access control system, it will effectively filter out all **"BAD people"** and only allow **"GOOD people"** to go in. This could help eliminate 90% of the potential security threats in the building. You can easily control who can enter where at what time using card, pin or fingerprint from our simplified software interface. Your business inventory, valuables and confidential asset can be well secured.

7 reasons why you should choose SOYAL access control system

- 1 More flexible.
- 2 Easier installation and maintenance.
- 3 More affordable.
- 4 Wider choice of reader.
- 5 Extended functionality with MagEtegra software.
- 6 Extended connectivity with MagEtegra software.
- 7 Faster technical support, warranty and repairing service.

1 More flexible

SOYAL flexible architecture support mixture of RS485 and TCP/IP to suit any site condition. **RS485** save wiring cost by allowing multiple readers to be looped using 2 wire only up to 300m-1000m distance. **TCP/IP** offer the convenience for future expansion where each reader just have to connect to nearby available network point.



- Save money in current project

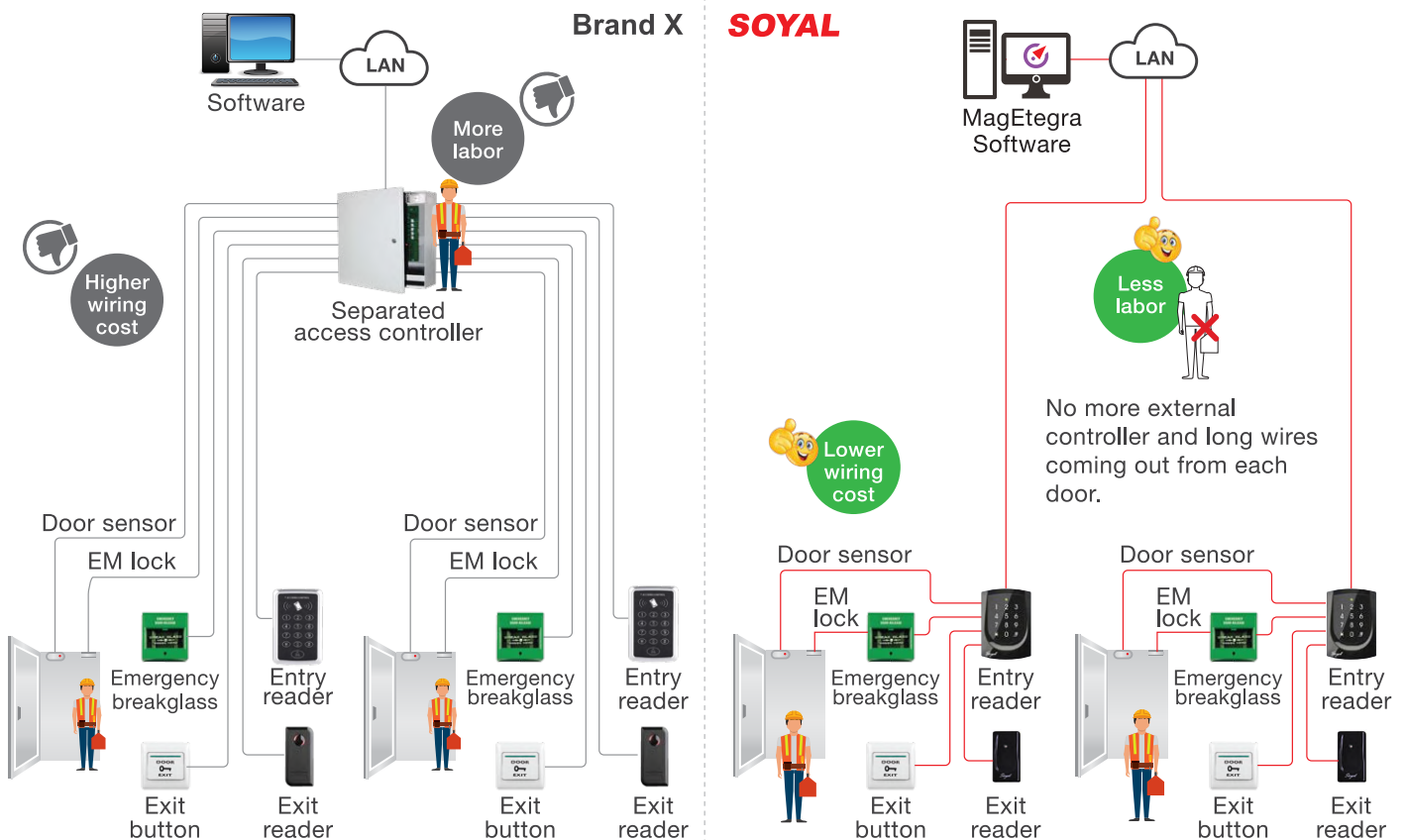
RS485

TCP/IP

- Convenient for future expansion

2 Easier installation & maintenance

SOYAL reader has built-in controller to give you 2 in 1 best value. This allows reduced wiring, simplified installation and more convenient for maintenance. Minimum labor cost for installation and servicing. Therefore overall project cost can be lowered and save you more money.



3 More affordable

SOYAL reader with built-in controller helps you save money. You don't have to pay extra money to buy a separate controller and metal box. SOYAL optimized reader design for practical feature/performance to ensure you do not pay extra for unnecessary functions.

Brand X

- Unnecessary external controller on every door



VS

SOYAL

- Reader with built-in controller



Brand Y

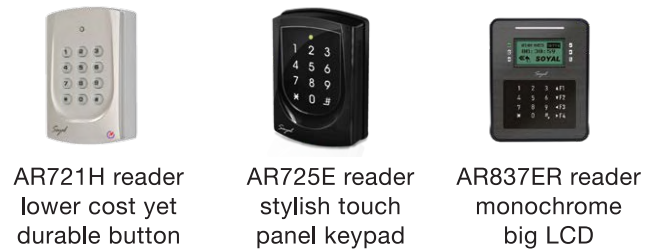
- Unnecessary multicolor high resolution touch screen LCD
- Complicated moulding shape



VS

SOYAL

- Simplified design for practical usage



4 Wider choice of readers

SOYAL offer from low cost standalone to high performance reader under single brand. You can choose from a slim design reader that easily fit into narrow door frame or affordable reader that come with keypad or direct TCPIP features. Some place you might want to use lower cost reader and some place you might need to use high feature reader. Whatever you need, SOYAL has plenty of readers choice for you to mix and match in accordance to your desired budget.

Easy fit to customer limited budget



Easy fit to site environment



High performance feature yet still very affordable



5 Extended functionality with MagEtegra software

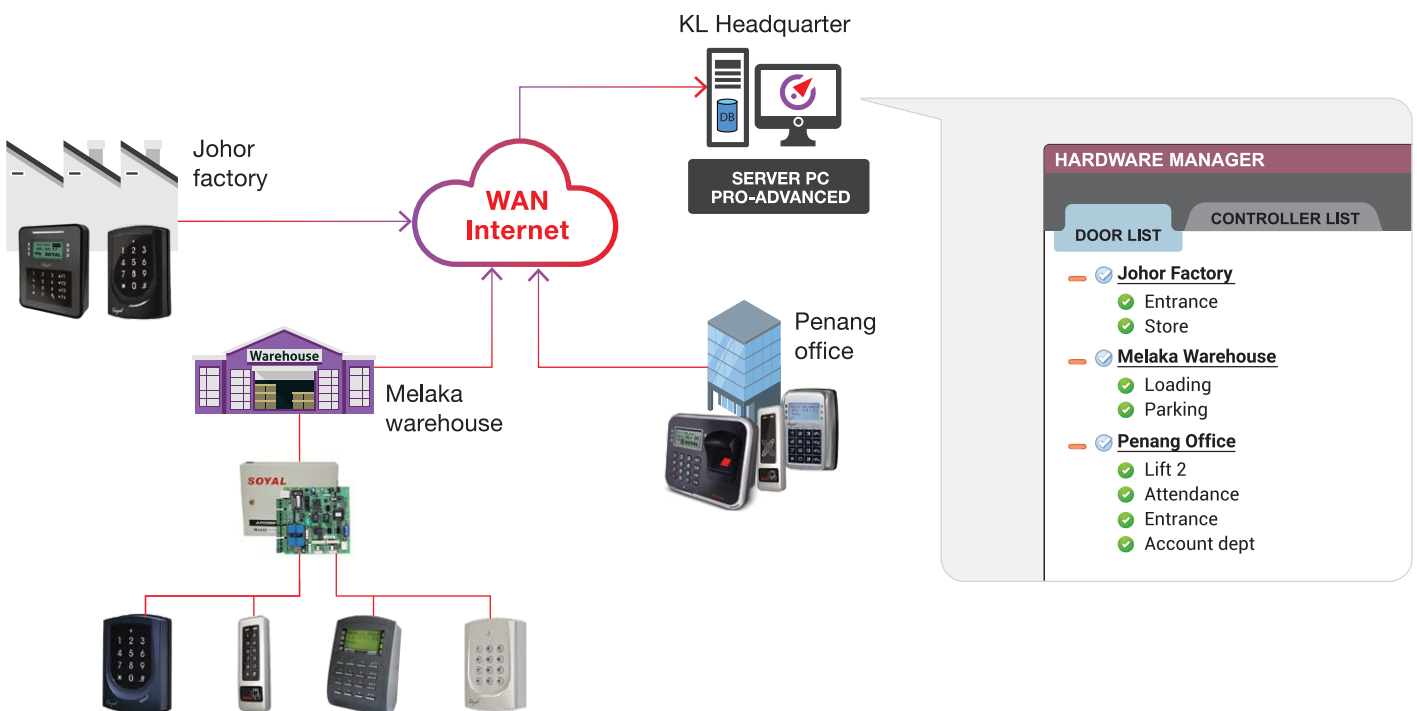
MagEtegra ME-ACS is an advance client / server access control software that is designed for Soyol's card and fingerprint access system. It extends SOYAL functionality to the next level with integrated CCTV surveillance and time attendance functions. MagEtegra is fully loaded with powerful features into a single platform to achieve centralized security, surveillance and attendance management.



6 Extended connectivity with MagEtegra software

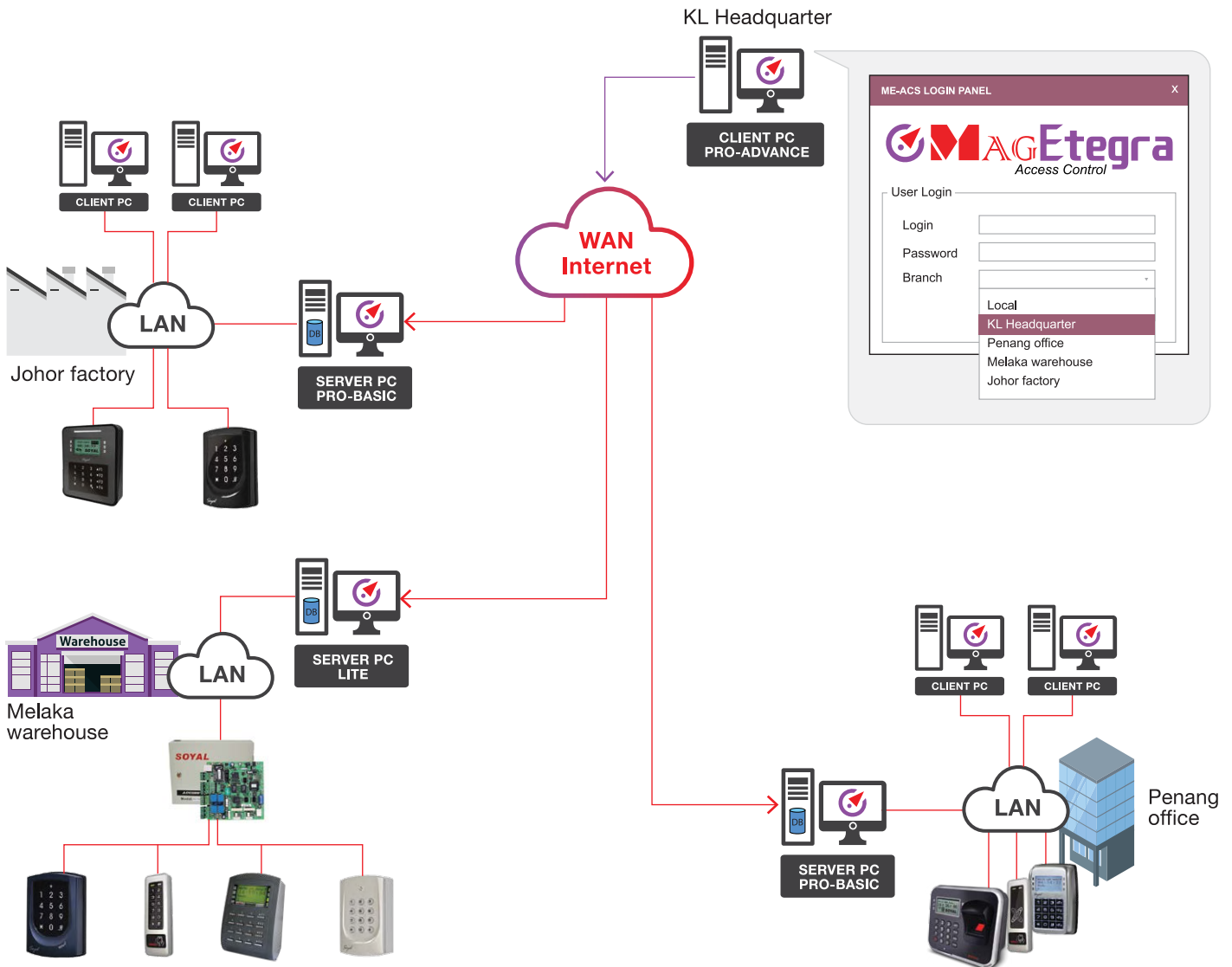
MagEtegra ME-ACS allows multiple operators to simultaneously monitor and control multiple branches over the internet from a centralised location in headquarter. Every operator can be authorized for specific function in the software. Different operator and different sites are connected onto a SINGLE software platform for easier management.

Centralised Architecture



MagEtegra ME-ACS also allows each branch to monitor their own security system. With ME-ACS Pro-Advance version, headquarter can open up each branches individually and manage all branch on single screen simultaneously.

Decentralised Architecture



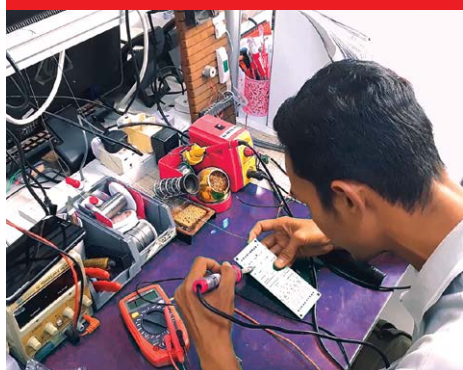
7 Faster technical support, warranty and repairing service

We have experienced technical support team assisting our authorized dealer to solve your site problem faster. We also offers full spare parts and repairing services locally to ensure your access control systems are up and running in the shortest time possible. Video tutorial is available on our website so that you can still get assistant after our office hours.

Online dealer support



Repairing service



Spare parts availability



SOYAL Reader Specification

MODEL	Standard Series				SilverBlack SERIES						
	AR721H	AR725H	AR727H	AR837ER	AR723HN	AR331HS	AR331HT	AR321H	AR327H	AR725E/EU	AR837EF
											
Card user	1024	3000	16000	16000 / 32000 / 65000	1024	3000	3000	3000	3000	16000	16000
Event memory	1200	1500	32000	32000	1200	1500	1500	1500	1500	32000	32000
Access mode	Card Pin	Card Pin	Card Pin	Card Pin	Card	Card	Card Pin	Card Pin	Card Pin	Card Pin	9000 fingerprint Card Pin
Time zone	11	11	11	63	11	11	11	11	11	63	63
Network	RS485	RS485	RS485	Direct TCP/IP RS485	RS485	RS485	RS485	RS485	RS485	Direct TCP/IP RS485	Direct TCP/IP RS485
Vandal Resistant Metal Housing	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No
Weatherproof	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No
LCD screen	No	No	Yes	Yes	No	No	No	No	Yes	No	Yes
Support AR716E	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No
Dimension (mm) L x W x H	112x76x25	110x79x26	127x91x46	137x107x30	81x43x18	154x51x21	154x51x21	114x78x33	140x92x40	110x79x26	128x147x65
Weight (g)	110	110	210	255	66	314	314	319	473	185	572
Keypad	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes

SOYAL Multi Door Interface & Signal Converter

Multi door interface

AR716-E18

Soyal 16 Reader Interface

- Maximum RS485 readers: 16
- Maximum users: 15000
- Expiry date setting: Yes
- Memory transaction: 11000



AR716EiO

Soyal I/O Module

- Add on module to expand 8 more digital input port on AR716-E18 for alarm monitoring function in software.



AR716-E16

Soyal 14 Reader Interface

- Maximum RS485 readers: 14
- Maximum user: 64000
- Expiry date setting: Yes
- Memory transaction: 32000



AR716-E02

Soyal 2 Reader Interface

- Maximum readers: 2
- Maximum users: 3000
- Expiry date setting: N/A
- Memory transaction: 1456



Signal converter

AR727i

Soyal TCPIP Networking Module

- TCPIP module for AR716-E18
- Convert RS485 to TCPIP
- Can assign an IP for access by PC via TCPIP network



AR727CM

Soyal Serial Device Network Server

- Converts RS485 to TCPIP (10 Base T) function in software
- Interface Soyal reader to Ethernet



AR321CM

Soyal USB Converter

- Convert RS485 to USB
- Interface Soyal readers to PC



AR321L485-5V/12V

Soyal Interface Converter Module

- Convert TTL to RS485 in lift access system



Others

AR401RO16

Soyal 16 Channel Digital Output Module

- 16 relay interface for lift access system. Each interface can be looped to support multiple of 16 floors



AR_WG_Rep

Soyal Wiegand Repeater

- To extend WG data line



ARRep485

Soyal RS485 Repeater

- To extend the RS485 bus for another 200m



SOYAL wiegand reader, encoder and accessories

WG Card Reader

AR723U Soyal Wiegand Reader

- Reading range: 8 cm
- Minimalist without keypad
- EM or Mifare



AR721K Soyal Wiegand keypad reader

- Reading range: 15 cm
- Keypad for PIN and setting
- EM or Mifare



AR331U Soyal Wiegand Reader

- Reading range: 3 – 7 (cm)
- Stylish SilverBlack series
- EM or Mifare



AR725U Soyal Wiegand Reader

- Reading range: 3 – 7 (cm)
- Illuminated icon for card status
- EM or Mifare



AR101U Ultra-mini dual-band RS485/WG Proximity Reader

- Flexible to integrate with SOYAL or other access control system
- From the DIP switch change mode in between slave RS-485 reader or a slave WG reader



QR Code Reader

AR888ULS SOYAL QR Code Reader

- Support QR code 2D barcode
- Scanning distance 50-200mm status
- Support dual frequency EM and Mifare
- Data output: Wg26, Wg34
- LED indicator: Green, red



DESFire Card Encoder

AR837P DESFire Card Encoder

- Illuminated Keypad Design for more visual operation
- Weatherproof Design for outdoor use RS-485



Proximity Card



Printed WG number on card

CDS18 - EM 125Khz Card

- 1.8mm card

CDS084SH - EM 125Khz Card

- 0.84mm thin card

CDM084SH - Mifare 13.56Mhz Card

- 0.84mm thin card

AR-TAGCIDW50F-DF28 Desfire

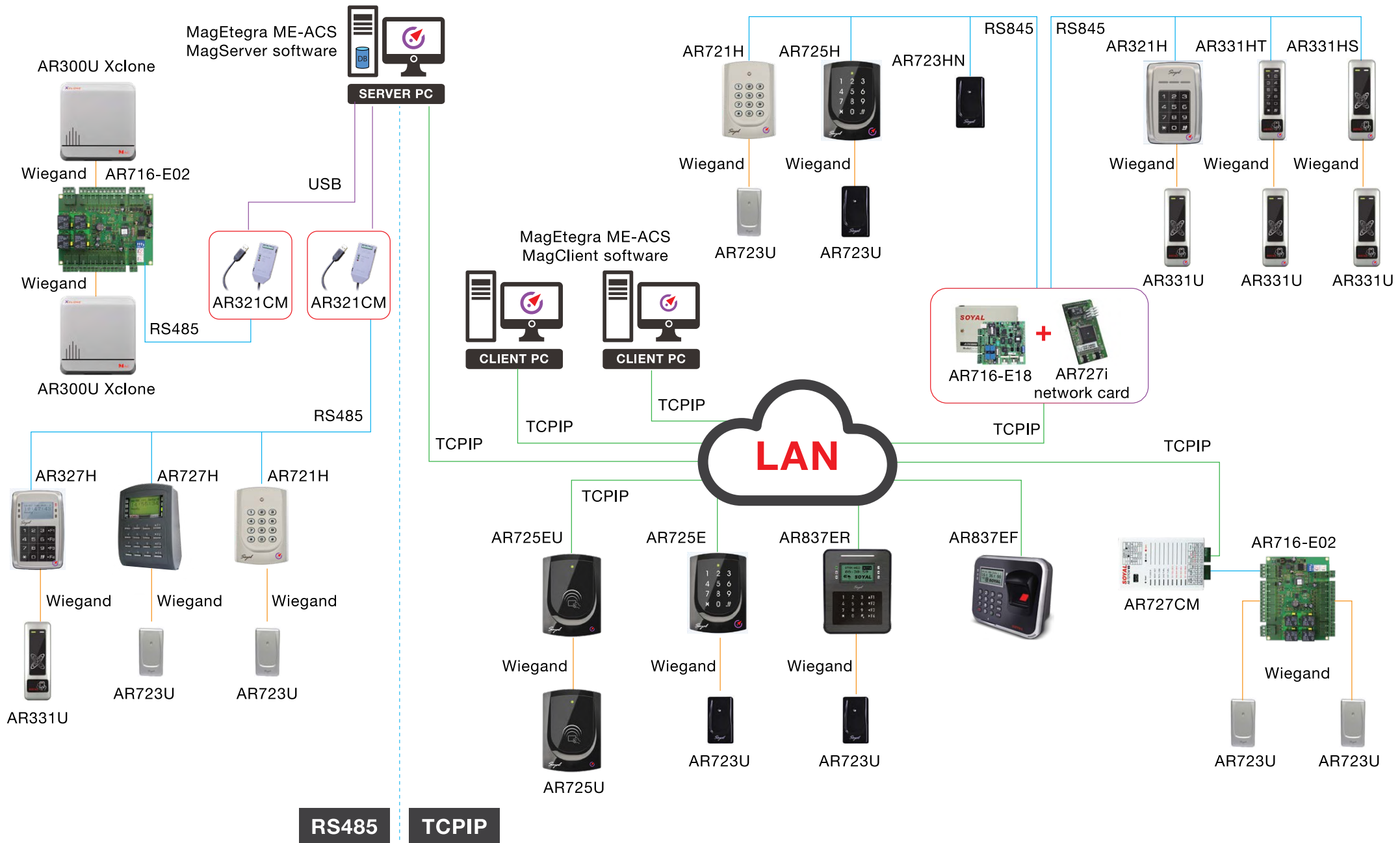
- 0.84mm thin card



Keychain Tag

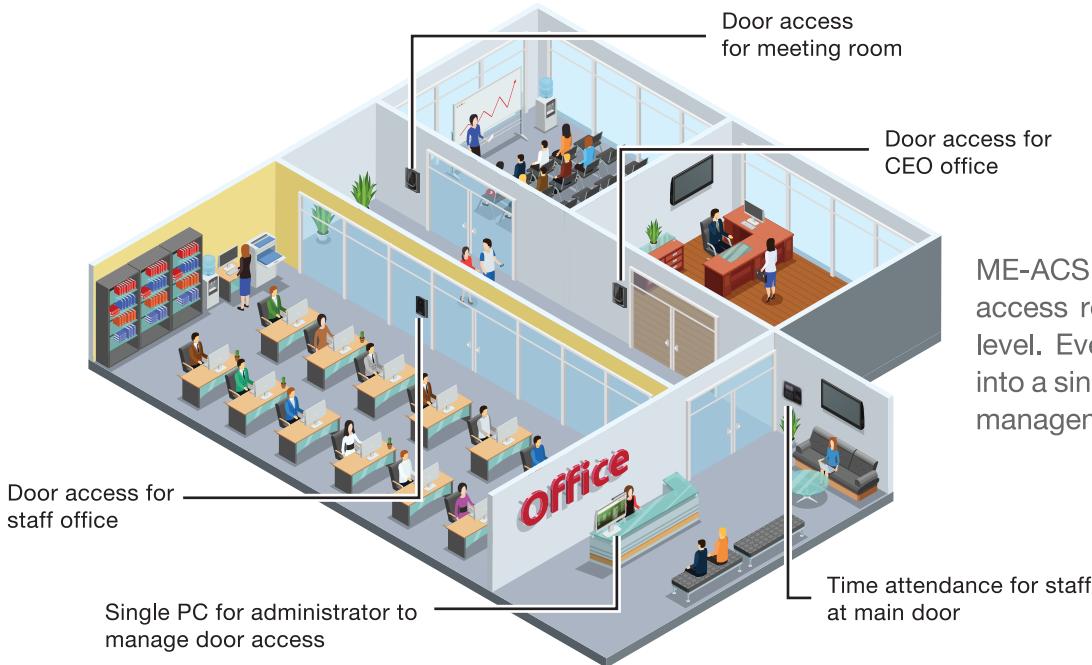
- EM / Mifare
- Read / Write
- Printed serial number

SOYAL Hardware & Software Architecture



Simple office door access solution

SOYAL offer low budget door access system to cater the need of small and mid-size office that requires basic access security with time attendance function. You can easily manage who can enter where at what time with MagEtegra ME-ACS Lite (free) and Standard version access security software.



ME-ACS extends SOYAL card access reader function to the next level. Everything is then integrated into a single software for centralized management.



There are 4 type of attendance shift (weekly, flexible, free and yearly) to cater different working pattern of every staff in your organization. Extensive attendance report can help you improve punctuality and productivity of all staff.

WEEKLY SHIFT SETTING

No. Description

- Normal shift
- Overnight shift
- Office shift
- Season shift
- Extended shift

Num: 1, Shift Code: normal shift

Description: normal shift

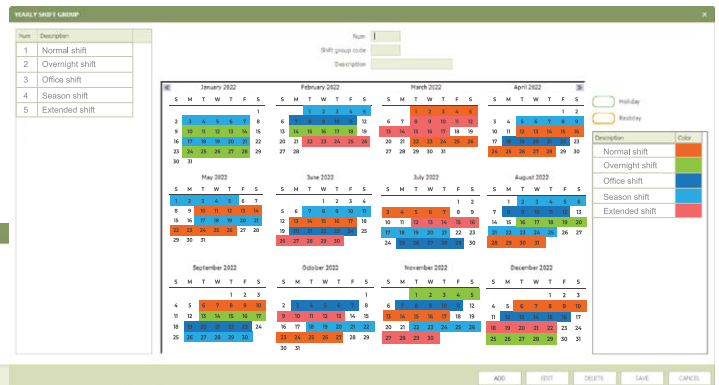
Working Time: Break Time, Overtime (OVT)

START: Time IN 07:00, Actual 09:00, END 11:59

Time OUT: 11:00, 17:00, 23:59

Total working hours: 08:00 hrs

Grace period allowance: Late In 00:10, Early Out 00:10



SOYAL Access Control System

Lateness Daily Report
Date range : 01/09/2010 to 18/09/2010
Generated by : Administrator

Num	Date	Day Type	Shift code	User ID	Name	Department	Shift time in	Actual time in	Late
1	18/09/2010	WD	OFC1	11	Stanley	Administration	08:30	09:00	00:30
2	18/09/2010	WD	OFC1	11	Alex	Technical support	08:30	10:28	01:58
3	18/09/2010	WD	OFC1	12	Siva	Administration	08:30	09:00	00:30
4	18/09/2010	WD	OFC1	5	Jacky	Technical support	08:30	09:00	00:30
5	18/09/2010	WD	OFC1	6	Miriam	Production C	08:30	10:28	01:58
6	18/09/2010	WD	OFC1	9					

Multi day summary attendance report
Date range : 01/07/2010 to 19/07/2010
Generated by : Administrator

Index	User ID	Name	Late In	Early Out	Long BRK	Work day	Break	OVT	OVT Holiday	OVT Off day	Paid leave	Unpaid leave	
Account													
1	U0005	Lin Wu Tung	0	00:00	0	00:00	0	00:00	0	00:00	0	0.0	10.0
Administration													
2	U0002	Kawira Tan	0	00:00	0	00:00	0	00:00	0	00:00	0	0.0	10.0
Customer service													
3	U0008	Fannie Ling	0	00:00	0	00:00	0	00:00	0	00:00	0	0.0	10.0
4	U0018	Ronako	0	00:00	0	00:00	0	00:00	0	00:00	0	11	11.0
Marketing													
5	U0003	Mohd Sharif	0	00:00	0	00:00	0	00:00	0	00:00	0	0.0	10.0

SOYAL Access Control System

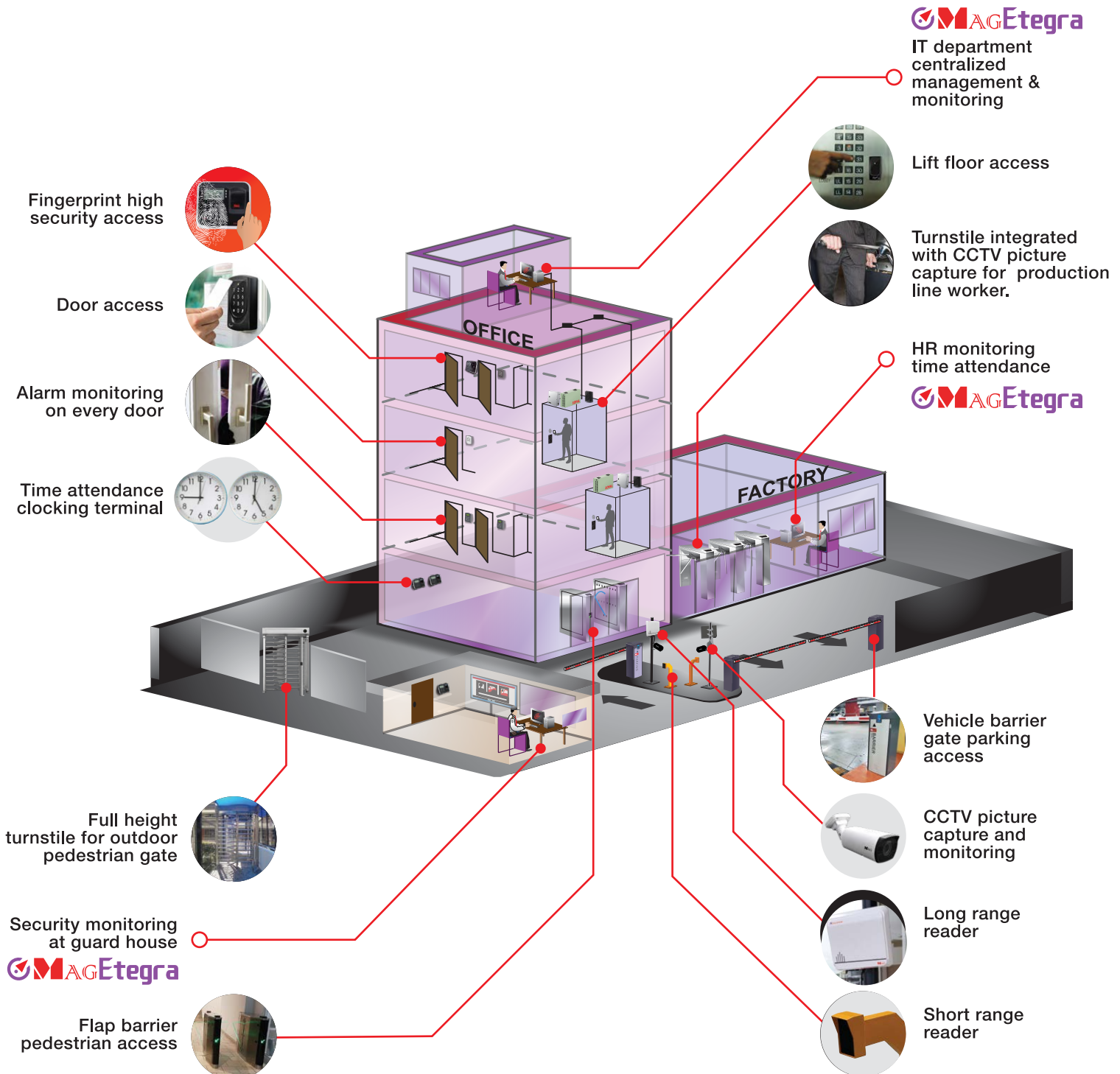
Absenteeism Daily Report
Date range : 01/09/2010 to 18/09/2010
Generated by : Administrator

Num	Date	Day Type	Shift code	User ID	Name	Department	Remarks
1	11/09/2010	WD	OFC1	1	Stanley	Administration	
2	11/09/2010	WD	OFC1	10	Abdul Rahim	Sales	
3	11/09/2010	WD	OFC1	11	Alex	Technical support	
4	11/09/2010	WD	OFC1	12	Siva	Administration	
5	11/09/2010	WD	OFC1	13	Johnny	Production A	
6	11/09/2010	WD	OFC1	14	Leslie	Account	
7	11/09/2010	WD	OFC1	2	Jessica Simpson	Sales	
8	11/09/2010	WD	OFC1	3	Monica	Marketing	
9	11/09/2010	WD	OFC1	4	Michael	Technical service	
10	11/09/2010	WD	OFC1	5	Jacky	Technical support	

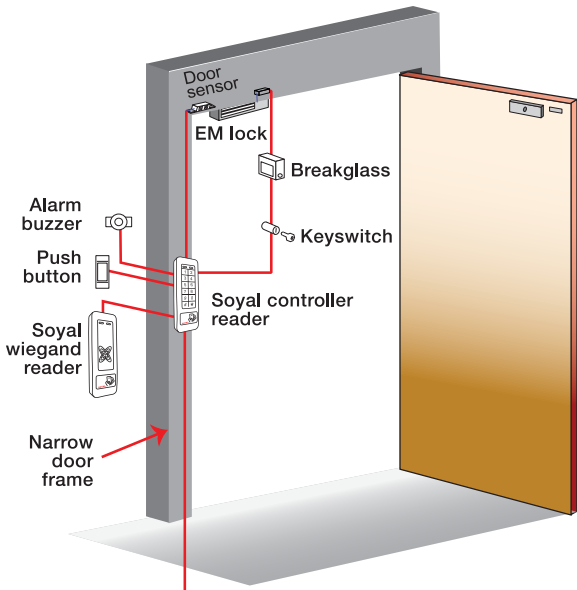
Integrated building security solution

SOYAL access control system works hand in hand with MAG barrier gate, pedestrian gate, long range readers, CCTV and MagEtegra software to give you total solution from a single supplier. We save you the trouble to deal with multiple vendors for consultation, pricing, sourcing, delivery and training.

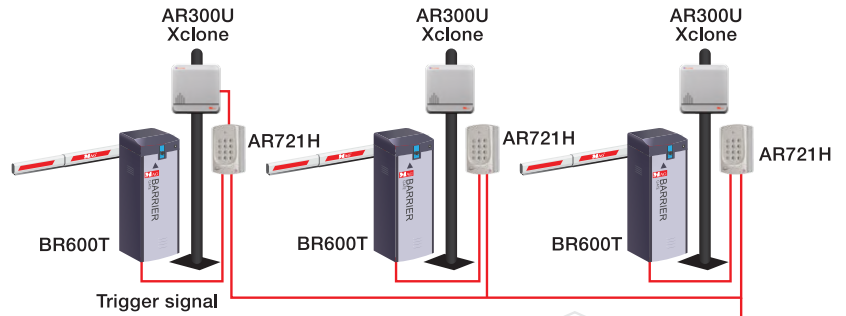
Since everything is purchased through our authorized dealer as a total solution, you do not need to worry about any compatibility issues. Our dealer save you all the hassle of calling multiple suppliers to resolve problem at site. You are able to get full technical support, documentation, warranty and repairing service from single contact point.



Integrated total solution



Door



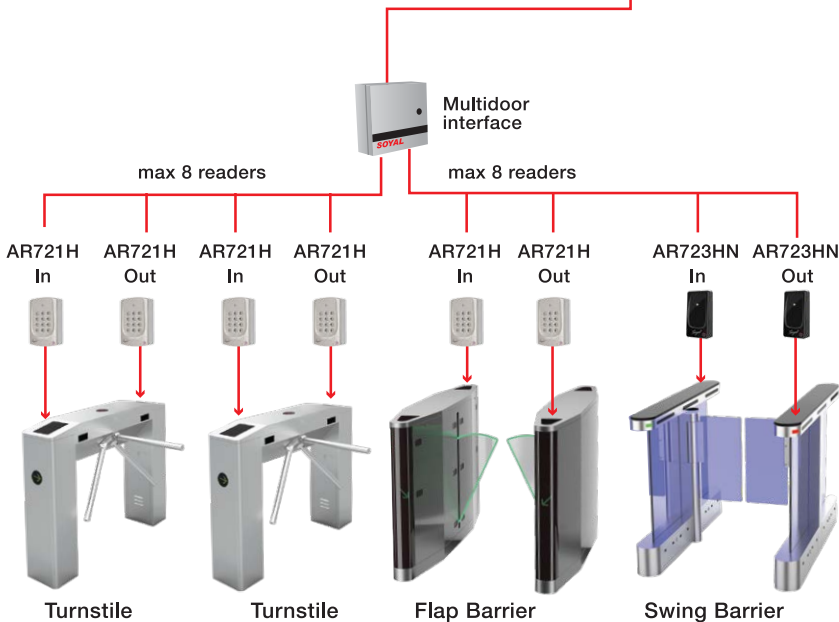
Parking



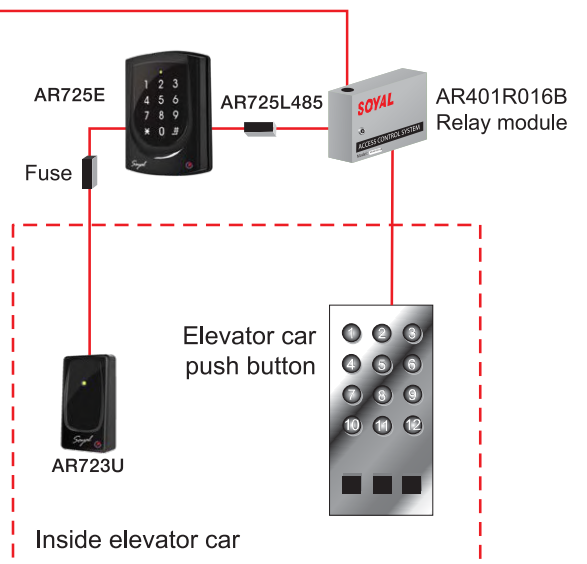
MAG Etegra

Integrated Access Security Software

Turnstile



Elevator



Site reference



- 28 Boulevard @ Pandan Perdana, Kuala Lumpur
- CO3 @ Puchong, Selangor
- Ismeca Semiconductor @ Ayer Keroh, Melaka
- Kenanga Investment Bank @ Jalan Sultan Ismail, Kuala Lumpur
- MEMC @ Petaling Jaya, Selangor
- Menara Zurich @ Kuala Lumpur
- Myanmar Embassy @ Jalan Ampang, Kuala Lumpur
- Oldtown Berhad @ Ipoh, Perak
- Paragon Private & International School @ Johor Bahru, Johor
- Penang Hill @ Pulau Pinang
- PS Pipeline Sdn Bhd @ Dengkil, Selangor
- PV13 Platinum Lake Condominium @ Setapak, Kuala Lumpur
- Sarawak Energy Berhad @ Kuching, Sarawak
- Sunflower Fitness @ Johor Bahru, Johor
- Suria Putra Condominium @ Sungai Buloh, Selangor
- Universiti Teknologi MARA @ Dengkil, Selangor
- UTeM @ Melaka
- Zul Rafique & Partners @ Solaris Dutamas, Kuala Lumpur
- Swinburne University of Technology @ Kuching, Sarawak
- Sapura Kencana @ KLCC, Kuala Lumpur

and many more...



Parking Access



Lift Access



Door Access



Pedestrian Access



Time Attendance



Integrated Access Security Software



We offer complete solution of **SOYAL** access control with **MAG** gate and **MagEtegra** software to cater for residential, commercial and industrial application.

Authorised Dealer:



All specification, drawing and product info are subject to change without prior notice.