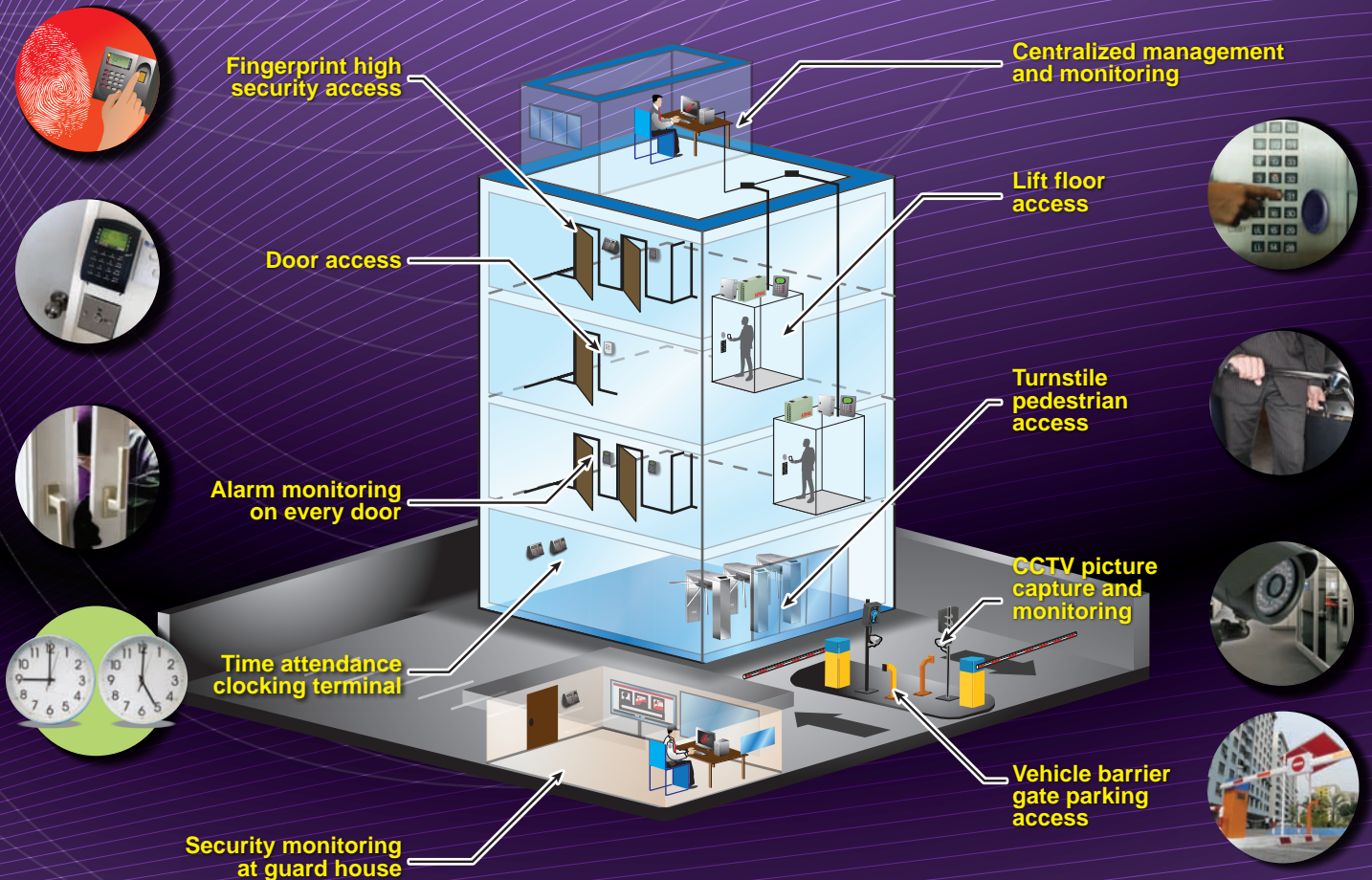


# **SOYAL e-tegra**

Integrated Access Control and Security System



SoyalEtegra(SACS) is an advance client / server access control software that is designed exclusively for Soyal's card and fingerprint access system. It extends SOYAL functionality to the next level with integrated CCTV surveillance and time attendance functions. SoyalEtegra is fully loaded with powerful features into a single platform to achieve centralized security, surveillance and attendance management for small to big business operations.



**ONE FOR ALL HARWARE, ALL IN ONE SOFTWARE**

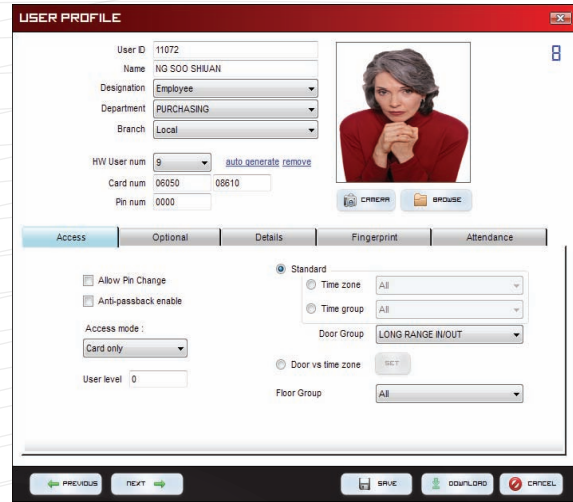
# Features



## User oriented access control system puts you in charge

SoyalEtegra's user oriented access permission allows you to specify Who (card number) can access Where (door group) at What Time (time zone) using What Method (card and/or pin, fingerprint). Multiple cards with different access permission can be assigned to each user profile. One card could be used for parking and another card for door access. Card number can be auto-captured for super fast bulk enrollment.

Advanced access permission give you the ultimate control to ensure that only authorized user can enter their authorized door(s).



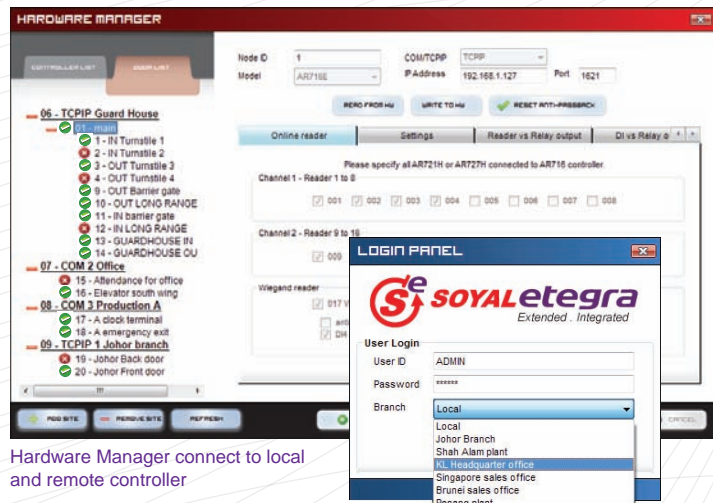
User profile



## Powerful client / server architecture protects everywhere from anywhere

Multiple operators from anywhere in the network can manage hardware, setting, monitoring and reporting of multiple remote sites (branches) in any location. Each operator can be assigned login with limited function access. All operation performed by operator in entire network is recorded in audit trail for review.

This powerful networking architecture allows multiple security personnel to work together easily and keep a closer eye on organization's security protection while maintaining scalability to easily add more hardware or operator in coming future.



Hardware Manager connect to local and remote controller

Support multi branch management



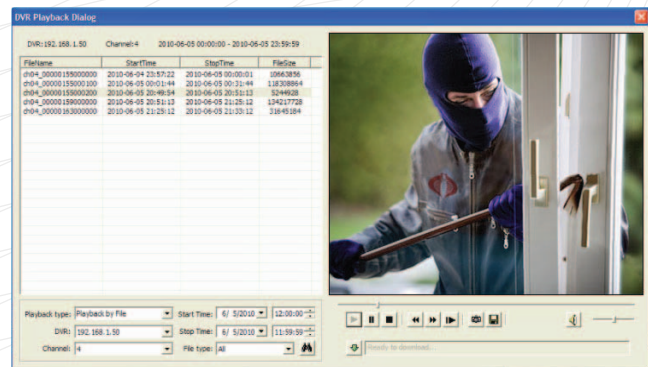
## Integrated CCTV Surveillance for more effective security with visual evidence

Door commander with integrated CCTV function allows live view video on selected doors to visually verify visitor identity before unlocking the door to allow access.

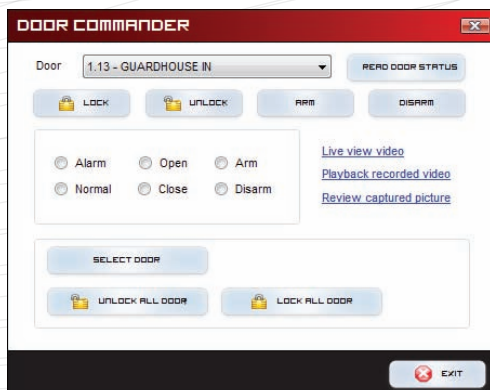
In / Out monitoring captures pictures for every normal access event real time from selected doors. Pictures from user profile, current badge in and previous badge in is displayed on the same screen for operator to easily verify their identity. When used in parking access, guard can verify if driver is the same as shown by user profile picture and if it is the same car IN now and OUT previously.

When used in attendance, these are real visual evidence of valid entry and a great solution to eliminate buddy punching in time attendance.

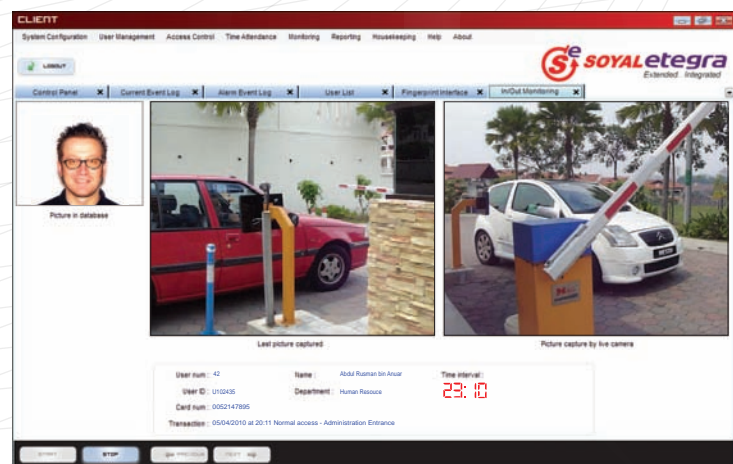
This greatly enhance security effectiveness and time attendance accuracy.



Alarm/Event Video clip playback and download



Door commander show CCTV live view video recorded.



In / Out monitoring that shows car entering and exiting

## Alarm list

Date	Time	Door	User ID	User Name	Event	Address	Access Mode	Designation	Mode
23/09/2011	22:25:03	1.8 - OUT LORRY		Reader office	power off				
23/09/2011	22:25:03	1.10 - OUT LORRY		Reader office	power off				
23/09/2011	22:25:03	1.12 - IN LONG RANGE		Reader office					
24/09/2011	02:25:53	1.2 - IN T52		Alarm: Door open too long	ok				
24/09/2011	02:25:53	1.3 - OUT T53		Alarm: Door open too long	ok				
24/09/2011	02:25:53	1.4 - OUT T54		Alarm: Door open too long	ok				
24/09/2011	02:25:54	1.8 - IN LORRY		Alarm: Door open too long	Lorry stopped inside				
24/09/2011	02:25:54	1.8 - OUT LORRY		Alarm: Door open too long	Lorry stopped inside				
24/09/2011	02:25:54	1.8 - OUT LORRY		Alarm: Door open too long	Lorry stopped inside				
24/09/2011	02:25:54	1.8 - OUT LORRY		Alarm: Door open too long	Lorry stopped inside				
24/09/2011	02:25:54	1.8 - OUT LORRY		Alarm: Door open too long	Lorry stopped inside				
24/09/2011	02:25:54	1.8 - OUT LORRY		Alarm: Door open too long	Lorry stopped inside				
24/09/2011	02:25:54	1.8 - OUT LORRY		Alarm: Door open too long	Lorry stopped inside				
24/09/2011	02:25:54	1.8 - OUT LORRY		Alarm: Door open too long	Lorry stopped inside				
24/09/2011	02:25:54	1.8 - OUT LORRY		Alarm: Door open too long	Lorry stopped inside				



## Alarm monitoring ensures every security breach is recorded and handled for audit

Forced entry, door opened too long; are situations that are captured as alarm event. Captured picture and recorded video during alarm can be directly reviewed from alarm event log without the hassle of searching in DVR for playback. This helps guards to response quicker during an alarmed event. Supervisor can review visual evidence captured and acknowledgement can be entered into each detected alarm to verify and counter future alarm event.



Alarm picture captured

**ALARM EVENT ACKNOWLEDGE**

**Pending acknowledgement ...**

Date: 23/09/2011  
Time: 22:25  
Door: 1.12 - IN LONG RANGE  
Event: Reader office

Wedge remark:

Remark:

Duty: Administrator

Last Acknowledge remark: Sami forgot to close door

Acknowledge remark:

Operator on duty: Administrator

Buttons: OK, CANCEL

Alarm acknowledgement

**SHIFT SETTING**

Sum 1  
Shift Code 016  
Description Office

Sun  Mon  Tue  Wed  Thu  Fri  Sat

Specific date: --

No.	Description	START	ACTUAL	END	Overtime
1	Office	07:00 AM	08:30 AM	11:00 AM	
2	Maintenance				
3	Production A				
4	Production B				
5	Sales team				
6	Production C				
7	Technical support				

Total working hours: 09:00 hrs

Grace period allowance:  
Late in: 00:15  
Early out: 00:15  
Auto delay Time out if late:

Buttons: 24 hrs view, ampmp view, OK, CANCEL

Time attendance working shift



## Flexible time attendance to automate clocking report and monitor staff punctuality

Time attendance support flexible multi shift, overnight shift and multi breaks to capture employee clocking as accurate as possible. Clocking data is analyzed to provide total work time, break time, overtime, late to work, early home and long lunch. Leave management allow employee to apply leave in advance.

Comprehensive reports summarize employee attendance, leaves and punctuality into a tabular format for easy fast review. This is a great tool to manage human resources better and help improve productivity.



Control panel show user friendly functional flow



## Intuitive GUI will have your system up and running in no time

GUI has been optimized to provide very clean, uncluttered and simple interface yet with powerful functions beneath it. Skin color theme and background image can be changed to suit different user preferences.

Function menu is very intuitive and require only very minimal training. Control Panel arrange all common functions into a interactive process flow chart so that operator can learn how to properly operate the software in shortest time possible.

**CLIENT**

System Configuration | User Management | Access Control | Time Attendance | Monitoring | Reporting | Housekeeping | Help | About

Control Panel | Current Event Log | Alarm Event Log | User List | Fingerprint Interface | InOut Monitoring

Date	Time	Door	User ID	User Name	Hit Num	Site Code	Card Code	Event	Department
14/07/2011	13:38:14	1.2 - IN T52	54747	SHARUZZI BIN SULAIMAN	607	10237	17132	Normal access by card only	None
14/07/2011	13:38:20	1.8 - SHARDHINISHE DUT	54771	IKHAZIM BIN SUHAIMI	7	80010	80000	Normal access by card only	SECURITY
14/07/2011	13:38:42	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:38:46	1.4 - OUT T54	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:38:50	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:38:54	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:38:58	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:02	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:06	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:10	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:14	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:18	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:22	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:26	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:30	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:34	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:38	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:42	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:46	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:50	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:54	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:39:58	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:02	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:06	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:10	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:14	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:18	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:22	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:26	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:30	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:34	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:38	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:42	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:46	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:50	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:54	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:40:58	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:02	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:06	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:10	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:14	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:18	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:22	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:26	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:30	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:34	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:38	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:42	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:46	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:50	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:54	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:41:58	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:02	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:06	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:10	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:14	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:18	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:22	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:26	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:30	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:34	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:38	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:42	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:46	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:50	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:54	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:42:58	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:43:02	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:43:06	1.2 - IN T52	54758	CHYI WANLIDON	38	80010	14046	Invalid card	EPS PLANT
14/07/2011	13:43:10	1.2 - IN T52	54758	CHYI WANLIDON					

**Basic**  
Affordable low budget system. 1024 users, 1200 event memory, 11 time zone.

**AR721H & AR721U**

**Standard**  
LCD screen show clock and easy to program. 1024 users, 1200 event memory, 11 time zone.

**AR727H & AR737U**

**Performance**  
LCD screen show user name and display customizable message. 15K users, 11K event memory, 63 time zone, 255 door group, Support expiry date, all parameter set from software.

**AR829E & AR721U**

**Fingerprint**  
LCD screen show user name and display customizable message. 4500 fingerprint, 10K card users, 11K event memory, 63 time zone, 255 door group. Support expiry date, all parameter set from software.

**AR821EF Optical or Capacitive**

**Multidoor**  
Global anti-passback and manage multiple doors. 15K card users, 11K event memory, 11 time zone, 63 door group. Support expiry date, all parameter set from software.

**AR716E & AR727i network module**

**Signal Converter**

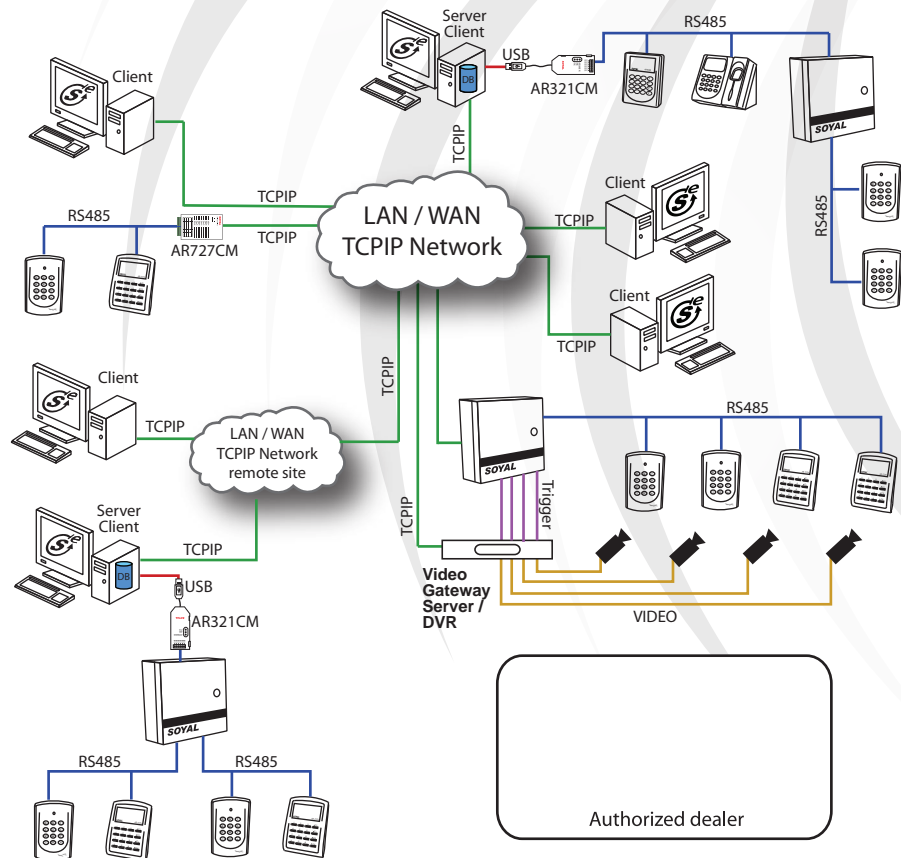
**AR321CM AR727CM**

**MVR04**  
4 ch Video Gateway Server

**MVR08Z and MVR16Z**  
8 and 16 Ch DVR

	Lite	Professional Basic	Professional Advance
<b>Model</b>	SELT	SEPBB	SEPA
<b>System configuration</b>			
<b>Hardware Manager</b>	Single site	Multi sites	Multi sites
<b>Client / server support</b>	Standalone only	yes	yes
<b>Multi branch</b>	no	no	yes
<b>Function permission</b>	no	yes	yes
<b>User management</b>			
<b>Multi card per user</b>	no	yes	yes
<b>Assign FP reader per user</b>	no	yes	yes
<b>Access Control</b>			
<b>Permission setting</b>	Basic	Advanced with door vs time zone. Allow different access method for different door at different time within same day	
<b>Time Attendance</b>			
<b>Overnight next day shift</b>	no	yes	yes
<b>Multiple break</b>	only 1 break	max 4 breaks	max 4 breaks
<b>Calculation</b>	Basic FILO within each shift interval	Advance with F-Key duty based, able to see clocking details, shift assigned, auto-generate clocking.	
<b>Monitoring</b>			
<b>Current event log</b>	yes	yes	yes
<b>Alarm event log</b>	no	yes	yes
<b>Anti-passback map</b>	no	yes	yes
<b>Door commander</b>	no	yes	yes
<b>In/Out monitoring</b>	no	yes	yes
<b>User tracking</b>	no	yes	yes
<b>CCTV</b>	no	Max 8 ch video	Unlimited video

### Architecture diagram



**Recommended PC requirement :**  
Intel I5 core CPU, 300 GB HDD, 4 GB RAM, XP Pro, Vista (32 bit) Win 7 (32 bit)