

MagEtegra ME-ACS 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. ME-ACS is fully loaded with powerful features into a single platform to achieve centralized building access security, surveillance and attendance management for small to big business operations. ME-ACS is simple enough for small office usage yet powerful enough to manage security system of entire building.



# Features



## 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.

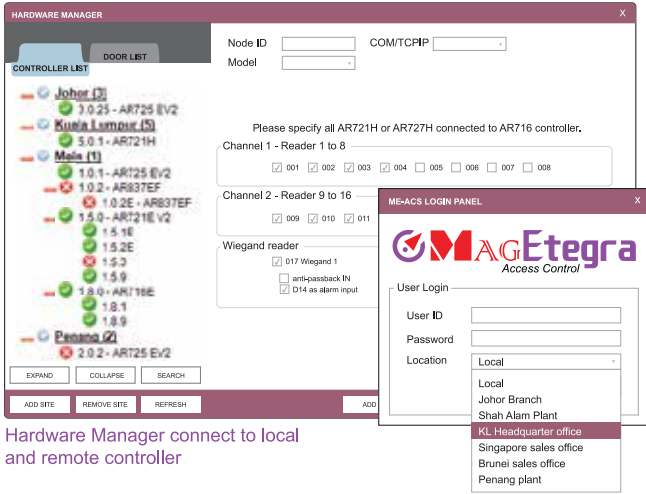
This powerful networking architecture allows multiple security personnel to work together easily and keep a closer eye on organization's security protection while maintaining scalability to easily add more hardware or operators in coming future.



## User oriented access control system puts you in charge

MagEtegra'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).



Hardware Manager connect to local and remote controller

Support multi branch management



User profile

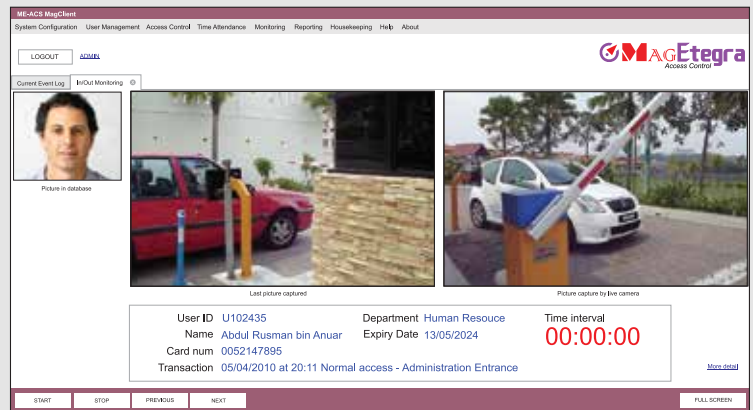


## Integrated CCTV Surveillance for more effective security with visual evidence

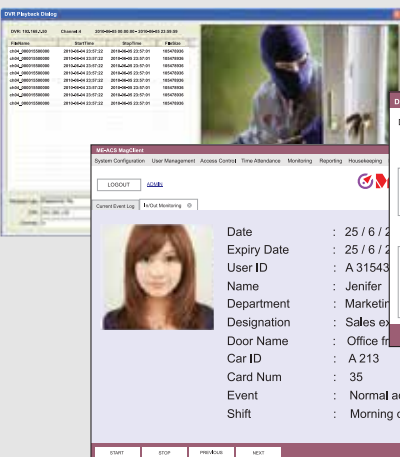
Door commander with integrated CCTV function allows live view video on selected doors to visually verify visitor identity before unlocking the door to allow access.

In / Out monitoring captures pictures for every normal access event real time from selected doors. Pictures from user profile, current badging and previous badging 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.



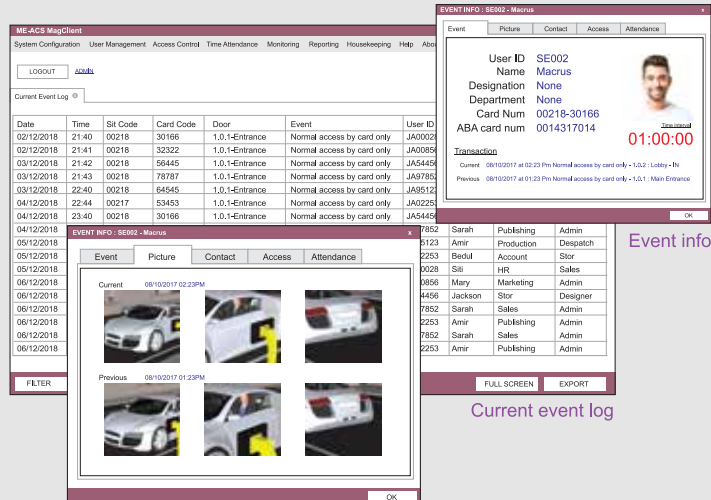
In / Out monitoring that shows car entering and exiting



Alarm event video clip playback and download

Door commander show CCTV live view video recorded.

User profile live display as user flash card



Event info

Current event log

Double click event log to see pictures captured for that event





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

Forced entry and door opened too long 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 respond 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 list

The screenshot shows the ME-ACS software interface. At the top, there's a menu bar with options like System Configuration, User Management, Access Control, Time Attendance, Monitoring, Reporting, Housekeeping, and Help. Below the menu is a 'Logout' button and the 'AG Etegra Access Center' logo. The main area displays an 'Alarm Event Log' table with columns for Date, Time, Door, Event, and Acknowledge. The table lists several alarm events from 02/12/2019 to 04/12/2019. Overlaid on the log are two 'ALARM EVENT ACKNOWLEDGE' windows. One window shows 'Pending acknowledgement...' with a red background, and the other shows 'Acknowledgement confirmed' with a green background. Both windows include fields for Date, Time, Door, Event, and Acknowledge remark, along with 'OK' and 'CANCEL' buttons.

Alarm picture captured

Alarm acknowledgement



## 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.

CAS-Filtering function allows you to filter the event to search for evidence faster. Cascading filters narrow down search result efficiently with multiple parameters to give you more precise data filtering especially on large event records.

The screenshot shows the ME-ACS software interface. On the left, there's a 'Control Panel' with various icons for system functions. On the right, there's a 'Current Event Log' window with a table of events. Below the table is a 'Cascading filter search' window with multiple dropdown menus for filtering events by Date, Time, Door, Event, and other parameters. The table shows columns for Time, ID Code, Card Code, Event, Door, User ID, Name, and Department. The filter search window has 'FILTER', 'RESET', 'FULL SCREEN', and 'EXPORT' buttons.

Control panel show user friendly functional flow

Cascading filter search



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

Time attendance support flexible multi shift (auto detect), 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.

The screenshot shows the 'WEEKLY SHIFT SETTING' window in the ME-ACS software. It has a list of shift descriptions on the left, including Morning, Night, Weekend Shift, Normal shift, 7am to 3pm, 11pm to 7am, 7pm to 11pm, 6am to 12pm, 12pm to 6pm, 6pm to 12am, and 10am to 7pm. The main area allows setting shift details like Shift Code (MS1), Description (Morning), and Working Time (Break Time and Overtime (OVT)). There are input fields for Time IN, Time OUT, and Total working hours. The window also includes checkboxes for Sun, Mon, Tue, Wed, Thu, Fri, and Sat, and options for Grace period allowance (Late In, Early Out) and Auto delay Time out if late.

Time attendance working shift



## Area Control quickly show who else is inside the building?

Shows people count of defined area. This is useful during emergency events where authority can easily identify total people left inside the building and which room/area they are last recorded. This information is useful to assist authority to design a more effective rescue strategy. Visual pie chart to quickly show percentage of person unknown, inside or outside of the building in a single glance.

The screenshot shows the 'Area Monitoring' window in the ME-ACS software. It features a table with columns for User ID, User Name, Department, Last Door Name, Last Date, Time, and Status. The table lists various users and their current status. To the right of the table is a 'Summary' section with a pie chart showing the distribution of people: Inside (red), Outside (green), and Unknown (blue). The window also includes 'FILTER', 'RESET', 'FULL SCREEN', and 'EXPORT' buttons.

Area Monitoring



## E-Map helps you response to alarm faster

Interactive map shows real time status of installed doors and camera. During alarm event, E-Map will pin point accurate exact location visually on the map allowing guard to immediately rush to affected site. This greatly enhances guard responsiveness since they do not need to waste time finding the location based on the door name. It will also avoid the mistake of guard attending the wrong location.

The screenshot shows the 'E-Map' interface in the ME-ACS software. It displays a floor plan of a building with various rooms and doors. A location pin is placed on the map to indicate an alarm event. There are several camera feeds showing real-time video from different locations within the building. The interface includes 'FULL SCREEN' and 'EXPORT' buttons.

E-map allow more effective visual monitoring and alarm handling



## Extensive export function allow easy connection to third party HR software

Comprehensive reporting with flexible filtering is available. If current reporting is not sufficient to meet the requirement, ME-ACS offer extensive export function that condition the data into any format or column arrangement to match target application. User profile, access transaction and time attendance data are available to be exported out to third party time attendance or payroll software respectively.



**AR721H & AR721U**

**Basic**

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



**AR727H & AR737U**

**Standard**

LCD screen show clock and easy to program. 16K users, 32K event memory, 63 time zone.



**AR331H, T & U**

**Slim**

Touch panel keypad and slim form factor make it easy to fit into narrow door frame while maintaining prestigious outlook. 3000 users, 1500 event memory and 11 time zones.



**AR725E & AR721U**

**Touch**

Illuminated touch panel keypad over black shiny surface for higher class elegant design. 16K users, 32K event memory and 63 time zones. Direct TCP/IP.



**AR837E & AR721U**

**Performance**

Support dual frequency EM125kHz and Mifare. LCD screen show user name and display customizable message. 16K users, 32K event memory, 63 time zone, Support expiry date. Direct TCP/IP.



**AR837EF & AR881EF**

**Fingerprint**

LCD screen show user name and display customizable message. 9000 fingerprints, 16K card users, 32K event memory, 63 time zone. Support expiry date, all parameter set from software.

**AR721E**



**AR716E & AR727i network module**

**Multidoor**

AR716E support Global anti-passback and manage multiple doors. 15K card users, 11K event memory, 63 time zone, 256 door group. Support expiry date, all parameter set from software. AR721E support 2 doors, 3000 users, 11 time zone.

**DVR**

**MGA16022**



**Signal Converter**

**USB AR321CM**



**TCP/IP AR727CM**



**Recommended PC requirement :**

Intel i5 core CPU, 300 GB HDD, 8 GB RAM, Win 10 (64 bit), Win 8 (64 bit), Win 7 (64 bit)

Model	Lite	Standard	Professional Basic	Professional Advance
	ME-ACSL	ME-ACSS	ME-ACSB	ME-ACSA
<b>System configuration</b>				
Hardware Manager	Single comm	3 comm	Multi comm	Multi comm
Client / server support	Standalone only	Standalone only	yes	yes
Multi branch	no	no	no	yes
Function permission	no	no	yes	yes
<b>User management</b>				
Multi cards per user	no	no	yes	yes
Assign FP reader per user	no	no	yes	yes
<b>Access Control</b>				
Permission setting	Simple	Simple	Advanced with door vs time zone. Allow different access method for different door at different time within same day	
<b>Time Attendance</b>				
Overnight next day shift	no	yes	yes	yes
Multiple break	only 1 break	max 4 break	max 4 breaks	max 4 breaks
Calculation	Basic weekly shift	Advance flexible shift, free shift and yearly shift.		
<b>Monitoring</b>				
Current event log	yes	yes	yes	yes
Alarm event log	no	no	yes	yes
User profile live view	no	no	yes	yes
Door commander	no	no	yes	yes
In/Out monitoring	no	no	yes	yes
User tracking	no	no	yes	yes
CCTV	no	no	Max 8 ch video	Unlimited video
Area Control	no	no	yes	yes
E - Map	no	no	no	yes
Global anti-pass back	no	no	no	yes

