SOYAL®

SilverBlack
SERIES

Slim
Weather Proof
Stylish Metalic Color
Illuminated Touch-Panel keypad

AR331U

AR331HS

AR331HT

Inspired,
Stylish,
Redefined...
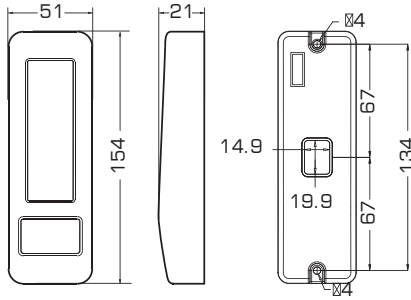
Metallic SilverBlack color concept further enchance modern contemporary impression of your office. Slim shape easy to fit into narrow door frame with limited space.

Weatherproof IP56 case design allow it to be installed in outdoor enviroment. Illuminated touch keypad looks cool and allow you to still see the keypad at night.
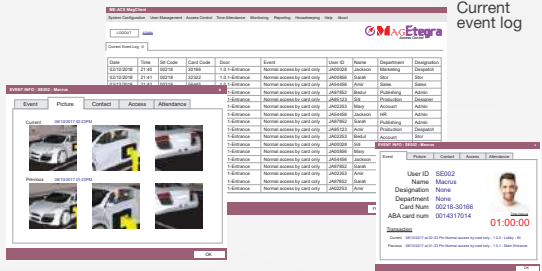
MagEtegra
Integrated Access Security Software

Dimension AR331H / AR331HS / AR331U

51 · 21 · ⌀4
154 · 14.9 · 67 · 134 · 67 · 19.9 · ⌀4

ME-ACS software is available in 4 versions as follows:

MAGEtegra — Integrated Access Security Software

LITE	Single PC, Single RS485 or TCPIP connection, simple time attendance
STANDARD	Single PC, maximum 3 RS485 or TCPIP connection, advance time attendance.
PRO BASIC	Multiple PC within LAN, Multiple RS485 or TCPIP connection, CCTV picture
PRO ADVANCE	Multiple PC within LAN and internet (multi branch), Multiple RS485 or TCPIP connection, CCTV picture capture unlimited camera, advance time attendance, Emap,

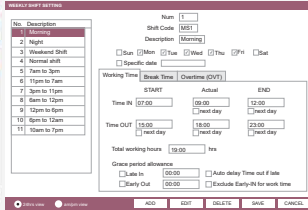### Clean and intuitive GUI help you search for access activity super fast

Current event log

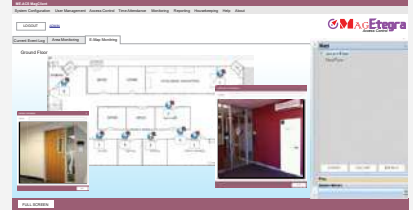Double click event log to see pictures captured for that event

Event info

Flexible time attendance to automate clocking report and monitor staff punctuality

Advance version support multiple overnight shift and flexible shift. Attendance will calculate work time, over time, late arrive and early go
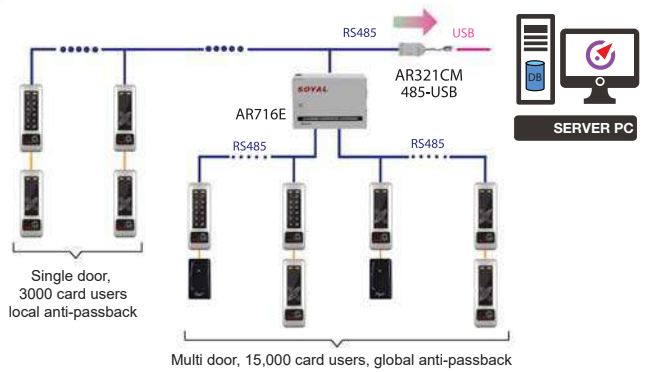
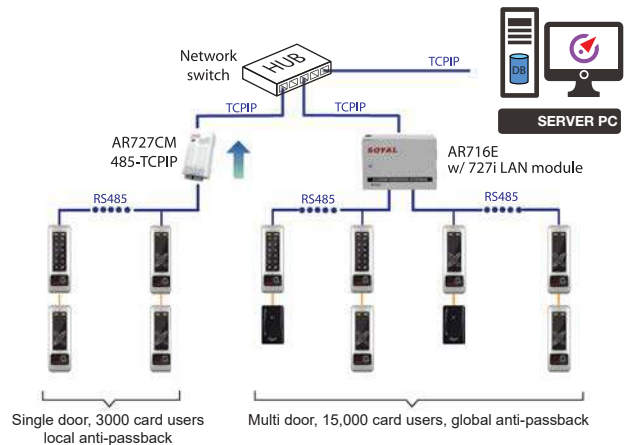### E-Map pin point threat location and helps you response to alarm faster

E-map will automatically pop up according to alarm event.

Model	AR331HS AR331HT	AR331HS_M AR331HT_M
Frequency	125KHz	13.56MHz
Standard	EM Standard	Mifare ISO14443A
Reading Range (Depends on Tags)	3-7cm	1-3cm
Power Supply	10-24VDC	
Power consumption	<3W	
Communication Interface	RS-485	
Baud Rate	9600 bps(N,8,1)	
Temperature	-20°C to +60 °C	
Digital Input	Egress(R.T.E.) / Door contact	
Relay Output	Lock Relay	
Lock Relay Time	ON/OFF, 0.1-600 Sec.	
Alarm Time	Toggle, 1-600 Sec.	
Tamper Switch	Limit Switch (Form C)	
User Capacity	M4/M8	3,000
	M6	65,000
Event log	M4/M8	1,500
External Reader	1 Wiegand Port	
Anti-pass-back	Yes (M4/M8 Only)	
Lift Control	32 Floors, 3,000 Users	
Serial port	Yes	
LCD Panel	No	
Transistor Output	Arming LED (or Security trigger signal) / Alarm / Duress	
Ingress Protection	IP56	
Indicator	3 LED & 1 Beeper	
Keypad Material	Illuminated Touch-panel	
Housing Material	Zinc Alloy	
Time Zone	11/63(Connect to Multi-Door Networking Controller)	
Operation Mode	Standalone/ Networking	
Color	Chrome	
Dimensions (mm)	114(L)X78(W)X33(H)	
Weight (g)	290±10	

RS485 network connection

RS485 → USB
AR321CM 485-USB
AR716E
RS485 · RS485
SERVER PC

Single door, 3000 card users local anti-passback

Multi door, 15,000 card users, global anti-passback

TCPIP network connection

Network switch · HUB · TCPIP
TCPIP · TCPIP
AR727CM 485-TCPIP
AR716E w/ 727i LAN module
RS485 · RS485 · RS485
SERVER PC

Single door, 3000 card users local anti-passback

Multi door, 15,000 card users, global anti-passback

Standalone connection

Slave (WG) · **Master**
Power 12V
2 wire
5 wire
2 wire
2 wire
2 wire - RS485 or 4 wire - TCPIP
Data Interface
2 wire · Alarm output
Push button input
Alarm sensor input
2 wire
Door lock output. Connect to EM Lock, turnstiles and etc...
Tamper switch output connect to external alarm system.