

SOYAL TECHNOLOGY CO., LTD

RFID solutions / Proximity & Smart cards
/ Hardware & Software / OEM/ODM Service



*Creating a Vision
for Smart Life*



Application



Industry Standard



Web Database



Certificates



Customization



Service



OEM/ODM



Peripherals



Website

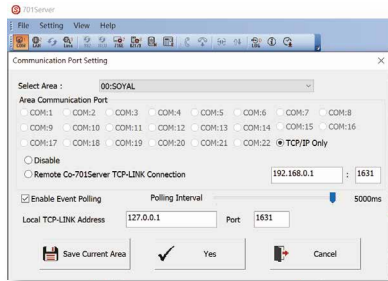


YouTube



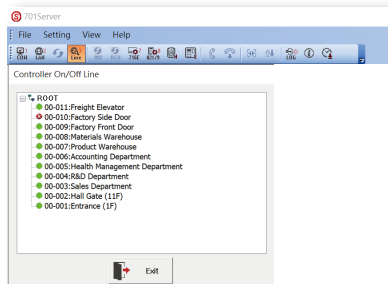
701ServerSQL

Access Control and TCP-Link Server



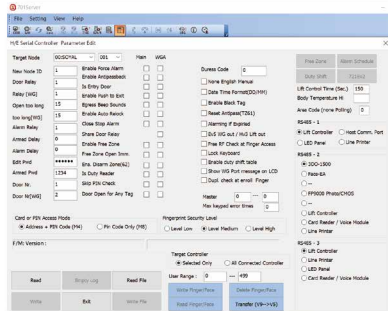
COM: Communication Port Setting

Select different communication ports via COM Port or via TCP/IP for each Area; Enable / Disable Event Polling and adjust polling interval; Enter TCP-LINK Address and Port number.



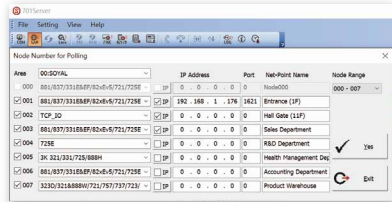
LIN: Connection Status

Check the devices connection status by different symbols.
Y (Blue) means the device is Online well.
R (Red) means the device is Offline.
? (Black) mean the device ON or OFF is not stable



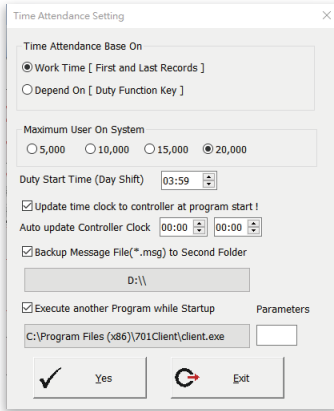
Home & Enterprise Series Controller Parameter Setting

After select Area number and Node ID, Click [Read] to read the current parameters setting from the controller to PC, directly modify the parameters and functions as needs and then click [Write] to update new settings to controller.



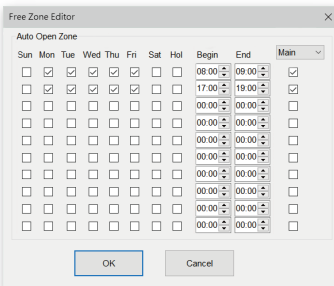
LAN: Hardware Setting

Select the corresponding model name for the device of each node ID in each area and also enter the correct IP address and port number for TCP/IP communication.



Time Attendance Setting

The relevant parameters of time attendance report can be set via the window such as select Time attendance type, set up Duty Shift time and other functions for backup and so on.



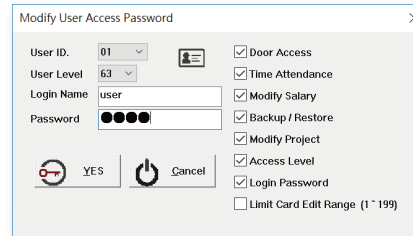
Free Zone

Set up to 16 free time zones for weekday, weekend, and holiday for Main access controller and WG



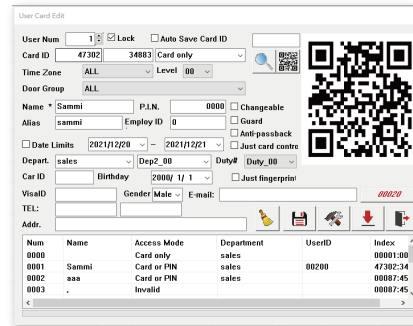
701ClientSQL

Access Control and Graphic Animation Control Software



Access Level/Password

After initiating login with the default account (the highest level), the user can set their own favorite [Login Name] and [Password] with particular Access functions.



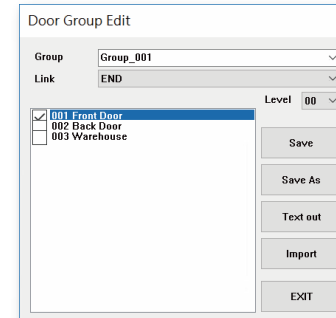
User Card Edit

Can proceed to set the user data, including the card ID, access mode, and other relevant settings.



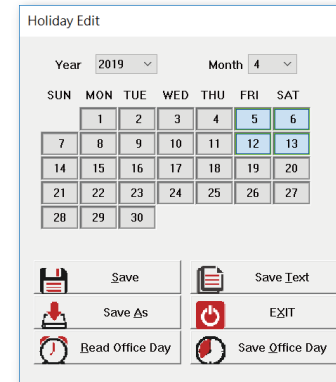
Graphic Animation

SOYAL 701Client built-in Graphic Animation with Animated Symbol, perfectly combines access control and various DI/DO status monitoring required by BMS system. The features provide monitoring and remote control that presents in a graphical manner, allowing manager to intuitively manage and control the status on the site in real time, and make corresponding feedbacks and actions



Door Groups

Door group management provides a perfect solution to that requirement by setting different doors as a door group and only particular users are allowed to access designated door group.



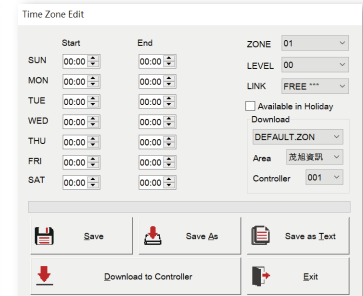
Holiday

Can proceed to set the holidays of the whole year (up to 120 holidays in total).

Index	Time	Station	Num	Name	Department	Department...	UserID	Status	Detail
0048	12:06:20	WG-Door1	0002	John	sales	Dept_00	0	(M11)Normal Access	0008745621
0049	12:06:24	WG-Door1	0002	Julie	sales	Dept_00	0	(M11)Normal Access	0008745621
0050	12:06:29	WG-Door1	0001	Sammi	sales	Dept_00	0	(M11)Normal Access	1883830722
0051	12:06:34	WG-Door1						(M03)Invalid card	1326143912
0150	13:04:25	WG-Door1						(M03)Invalid card	1326143912
0059	13:04:33	WG-Door1	0001	Sammi	sales	Dept_00	0	(M11)Normal Access	1883830722
0052	13:04:49	WG-Door1	0003	Julie	sales	Dept_00	0	(M11)Normal Access	0512844438
0055	13:05:09	WG-Door1	0002	John	sales	Dept_00	0	(M11)Normal Access	0008745621
0054	13:05:13	WG-Door1	0003	Julie	sales	Dept_00	0	(M11)Normal Access	0512844438
0055	13:05:21	WG-Door1	0001	Sammi	sales	Dept_00	0	(M11)Normal Access	1883830722
0056	13:05:25	WG-Door1						(M03)Invalid card	1326143912
0057	13:06:32	WG-Door1	0002	John	sales	Dept_00	0	(M11)Normal Access	0008745621
0058	13:06:39	WG-Door1	0002	John	sales	Dept_00	0	(M11)Normal Access	0008745621
0059	13:07:08	WG-Door1	0002	John	sales	Dept_00	0	(M11)Normal Access	0008745621
0060	13:07:18	WG-Door1	0002	John	sales	Dept_00	0	(M11)Normal Access	0008745621

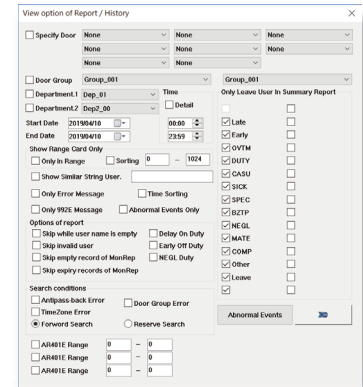
Event Log

When the user swiping card or pressing PIN code on controller, the software will automatically generate a daily transaction report, each transaction record includes the data of access time, station, user name/ID, department, card ID, access status.



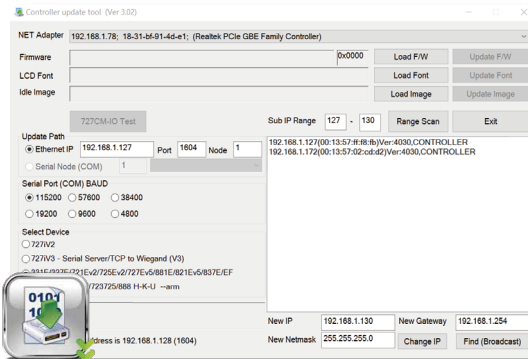
Time Zone

Can proceed to set the time zones for user's access control. There are 00 ~ 63 time zones for editing.



View option of Report

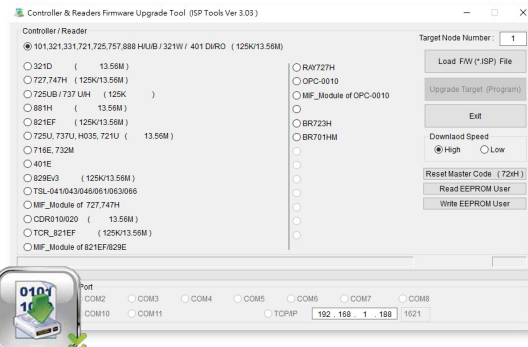
This window function allows the user to select the different view options for door access control daily report by sorting via specify door, door group, time, department and user range or Time Attendance Daily /Multiday/Summary Reports.



UDP UPDATER

UDP UPDATER
Firmware Update Program

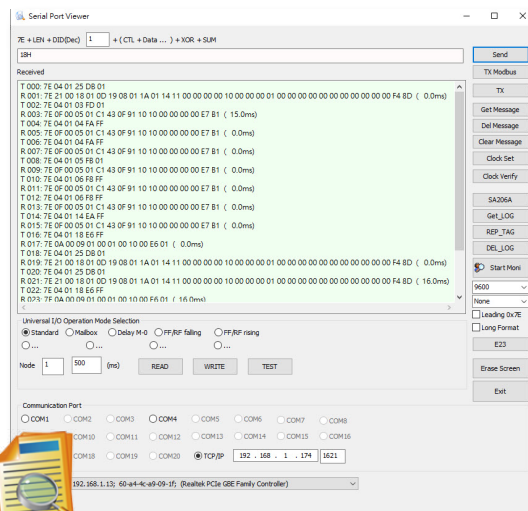
- In-Field Firmware Upgrade for Enterprise E series controller
- Load Font and Change Customized Display Image for LCD Screen Controller
- Broadcast All IP Devices under the Same Network



ISP Tools

ISP Tools
Firmware Update Program

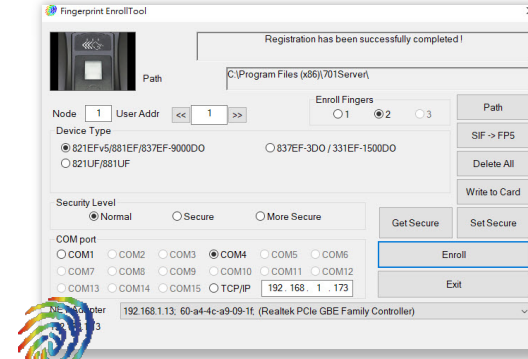
- In-Field Firmware Upgrade or Home H Series Controller
- Reset Master Code for Home H series Controller
- Read / Write EEPROM User Data for Home H Series controller



COMM VIEW

CommView
Assistant Software Program Tools

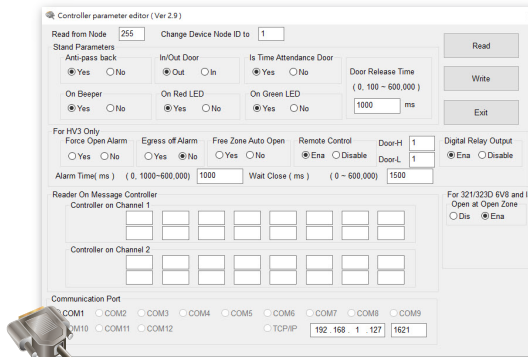
- Support Sending Protocol Commands to SOYAL Controllers for Parameters Setting and Functions Test, In Which can Assist the Developer for Quickly Software Integration and Develop
- Read and Clear Controller's Memory (HEX Code)
- Observe Main Control (Host-Slave) Devices and Communication Data (Troubleshooting)
- Set and Change the Operation Mode and Node ID of Universal I/O module AR-403-IO Series



Enroll Tool

Enroll Tool
Enroll / Read & Write User's Fingerprint Data between PC and devices

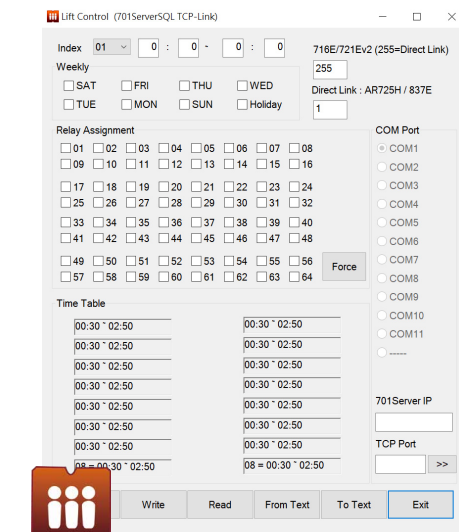
- Directly Collect Fingerprint Data via Enroll Tool Software on Computer through USB or TCP/IP Interface
- The collected Fingerprint Data Can be Written to Other Fingerprint devices through 701Server Software, In Which is Suitable for Office HR that can Quickly Collect Fingerprints for Employees and Users.



Node737

Node737
Set up Node ID and Parameters for Keypadless Controller

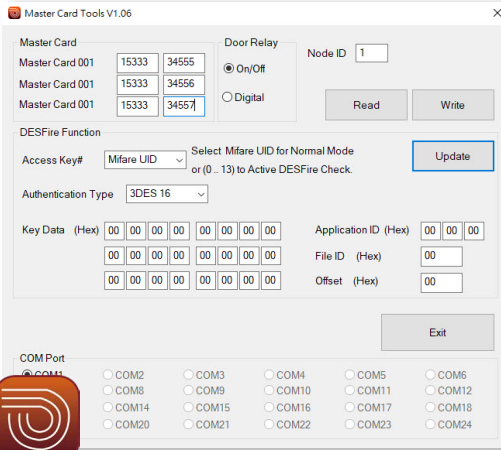
- Set up Node ID / Door Relay Time and Other Functions Such As Auto Free Zone, Force Open Alarm and So On for Keypadless Controller via COM Port Communication
- Enable / Disable Green / Red Led / Beeper for RFID Proximity WG Reader



Lift Control

Lift Control
Auto-Scheduled Lift Time Zone Setting & Remote Release Lift Button

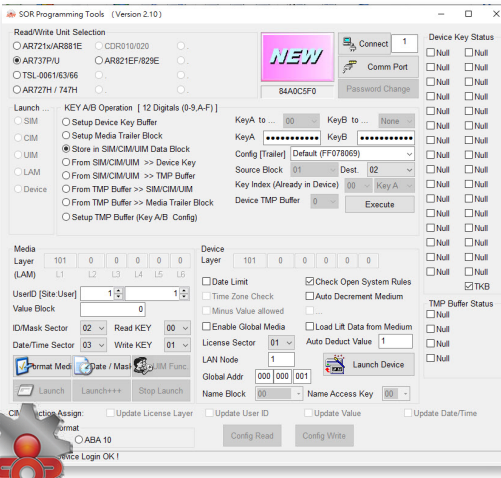
- Allow the Designated Lift Floors to Set Up to 16 Sets of Auto-open Zone, during the period of Auto-Open Zone; The User can Directly Press the Floor buttons to Access the Designated Floor without Swiping the Valid Card during the Period of Auto-Open Zone
- The Manager can also remotely Release the Floor Buttons through the software for Visitor to Access the Designated Floor



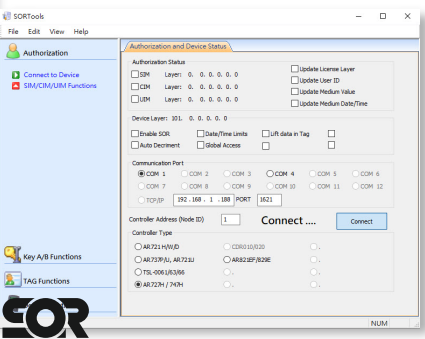
323D Master

323D Master Program DESFire Controller & Master Card

- Set 3pcs of Master Cards for Controller and Use Mater Card to Quickly Add / Delete User Card when the Controller working on Standalone Mode
- Encrypt DESFire Encoder AR-837-P and DESFire Controller; then User Encrypted DESFire Encoder to Encrypt DESFire User Cards on Standalone Mode



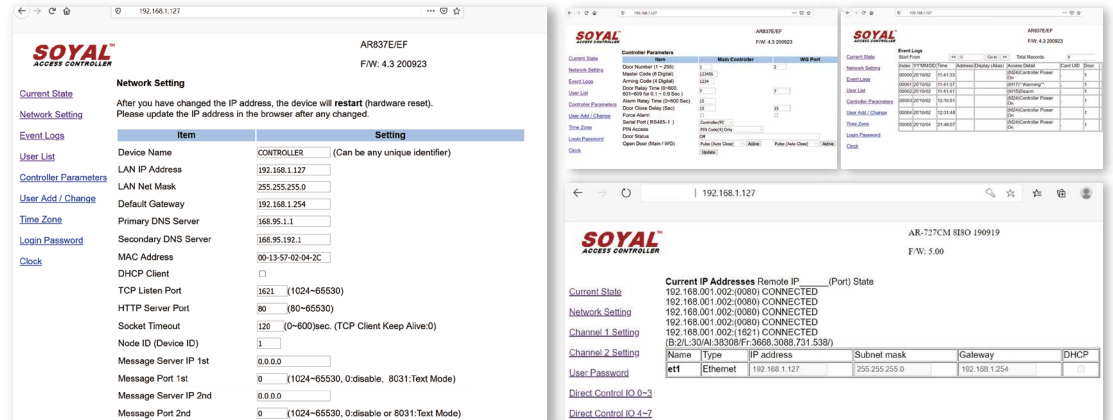
Mifare Key (SOR) & SOR Tools Mifare Card SOR Encryption & Read / Write Block Data



- Encrypt Mifare Card and Mifare Device
- Program New UID and Write Time Limit / Value/ Global Address to Mifare Card for Various Applications
- Offline Command Card Can Set up Parameters and User Card Data for Standalone Controller
- 6-Layer Distributor Structure for Efficient Clients Management
- SOR Tools Allows the Developer to Directly Read / Write Mifare Card Data in Hex Format



IP Parameter Setting & User Data Program via Web Browser



- Enter your IP address on browser for devices' quick set up on PC or smartphone.
- Easy Set up IP-Based Controller and Converter's IP Address and Parameters by Entering IP Address on Web Browser via Smartphone, Tablet or PC Anywhere and Anytime.
 - Online Review Event Log from Controller
 - Add / Delete / Modify User Card Data
 - Remote Release Door Relay Time
 - Manually Set Access Controller's Time Clock

SOYAL APP



721APP

721APP

727APP

727APP

Remote Open Door & Monitor Controller

- Remote Control Door Relay in two Mode of Pulse and Latch via Mobile Phone
- Remote Set up Arming / Disarm
- Get Event When Alarm Occurs
- Compatible with IP-Based Controller or RS485 Controller Connected via TCP/IP Converter

Remote Monitor and Control I/O Devices

- Remote Monitor DI Devices Open / Close Status such as Monitoring Door Window Sensor, Carbon Monoxide Detector in Your Room
- Adjust DO Trigger Time and Remote Control DO Devices On / Off Such As Controlling Lighting, Air Conditioner in Your Room

Multi-door Networking Control Series

- Multiple choices: 2 doors/14 doors/16 doors/18 doors/32 doors and large user capacity 3000~65000 for centralized control requirements in large-scale architecture.
- Support Emergency User list to open the door when the reader is disconnected from control panel; Built-in multiple sets of DI/DO and I/O extension board for higher security door access control that the door lock won't be unlocked even if the door is force open; Built-in DI Fire alarm contact that can be connected with fire alarm input detector and all door locks can be released in case of Fire or emergency accident occurs; Support UPS that ensure the device running during power outage.
- Support Multi-door Anti-pass back that is suitable for management in Car Packing, Entrance / Exit Turnstile and so on

- Standard
- Optional By Order

18 Doors Networking Control Panel AR-716-E18



- Optional By Order :
- I/O Extension Board (AR-716-E-8I8O)
 - TCP/IP Module (AR-727i-V3)

16 Doors Networking Control Panel AR-716-E16



- Optional By Order :
- TCP/IP Module (DMOD-NETMA)

2-Doors Networking Control Panel AR-716-E02



Uninterruptible Power Supply AR-716-E-TC-M



		Host	RS-485	RS-485: 9600 bps or TCP/IP: 10/100M Base T(External Module)	9600bps(N,8,1) 10/100M Base T	9600bps(N,8,1)
Interface	Slave Reader	CH2(RS-485)	8 Readers	8 Readers	8 Readers (Node ID 1, 2 and WG Port 0, 1 share the same Door Number)	—
		CH1(RS-485)	8 Readers	8 Readers	8 Readers (Node ID 1, 2 and WG Port 0, 1 share the same Door Number)	—
	Slave Reader	Wiegand	2 Readers	2 Readers	2 Readers (WG Port 0, 1 and Node ID 1, 2share the same Door Number)	2 Readers
		Door Numbers	18	16-32	2	
User Capacity		15,000	16,000 (Default value) / 32,000 / 65,000	3,071		
Event Log		11,000	32,000	1,456		
DI/DO	DI	Engress	X2	X2	X2	
		Fire Alarm input	X1	X1	—	
		Prepared for DI	X1	—	X2	
		External I/O extension board (AR-716-E-8I8O)	X8	—	—	
		Door Status	—	X2	X2	
	DO / Relay Output	Housing open detection	—	—	X2	
		Door Lock Relay	X2	X2	X2	
		Alarm Relay	X1	X1	X1	
		Reserved DO	—	—	X2	
		Reserved Relay Output	X1	—	X1	
External I/O extension board (AR-716-E-8I8O)		X8	—	—		
Watchdog Function		Standard				
Power Supply		9-24 VDC				
Power Consumption		<2.5W	<3W	<2W		
Communication Redundancy		No	Host port	No		
Anti-Passback		16 Doors	16 Doors	2 Doors		
Door Group		255	Yes	Yes		
Time Zone		63	63	11		
Others		Support UPS (purchasing external rechargeable battery)		Support UPS AR-716-TC		
Dimension (mm)	PCB	150(H)X163(W)X20(D)	100(H)X147(W)X20(D)	100(H)X132(W)X20(D)		
	With Plastic Mounting Base	—	103(H)X175(W)X32(D)			
	With Metal Casing	180(H)X231(W)X62(D)				
Net Weight (g)	PCB	approx. 250g	approx. 164g	approx. 175g		
	With Plastic Mounting Base	—	approx. 244g	approx. 255g		
	With Metal Casing	approx. 1840g	approx. 1,754g	approx. 1,765g		
Environment	Operating Temperature	-20°C ~ +70°C				
	Storage Temperature	-40°C to +75°C				
	Operating Humidity	0%~90% (non-condensing)				
	Storage Humidity	0%~95% (non-condensing)				

Input Voltage	13.8-15VDC
Output Voltage	When source from External PSU (Power Supply Unit: 12~15VDC), Output voltage is the same as input voltage. When source from Back-up Battery (9~12VDC), Output voltage is the same as battery voltage.
Output Current	3A max
Relay output	2 Form C, 10A/250VAC / 12A / 28VDC
Relay control	Low trigger (trigger device must have 25V/25mA puncture capability).
voltage of supply	AC90-264V/47~440HZ
Power output	35W(max)
Dimension (mm)	210(H)x320(W)x80(D)
Net Weight (kg)	approx. 2.41

Serial-to-Ethernet Networking Module DMOD-NETMA AR-727i-V3



Power Supply	3.3VDC	5VDC
Power consumption	<0.2W	<0.5W
Miscellaneous	—	AUTO MDI/MDIX
Interface	10/100M Base T Ethernet ↔ SPI (DMOD-NETMA) 10/100M Base T Ethernet ↔ UART(TTL) (AR-727i-V3)	
Baud Rate	4800bps-115200bps	
Protocol	ARP, IP, TCP Client, UDP, ICMP, HTTP, DHCP, NetBIOS,SNMP V1,V2,V3	
Dimension(mm)	48(L)X20(W)X8(H)	45(L)X28(W)X14(H)
Net Weight (g)	approx. 5	approx. 15
Temperature	-20°C to +70°C	
<ul style="list-style-type: none"> Provide easy-to-set IP setting,with DHCP/IP switching function,for setting IP parameters remotely or by serial port.(AR-727i-V3) With its compact size,it can be operated as an intellegant communication IC to be installed onto AR-716-E18.Built-in Ethernet interface component only need an external RJ-45 to connect with Ethernet (AR-727i-V3) 		

I/O Extension Board AR-716-E-8I8O



- An extension relay board for AR-716-E18.
- 8 optical isolation inputs, replacing the door open buttons of door node up to 8 nodes.
- 8 relay outputs of Form C, replacing the door relays of door node up to 8 nodes.
- Door open time can be set by software.

Enterprise Series (ARM32)

- ▶ Dual Communication Interface: built-in RS485 and TCP/IP, and HTTP Web Server for access control management.
- ▶ Dual Band Supported: 125kHz and 13.56MHz.
- ▶ Multiple output: lock, alarm, arming, duress, digital relay, etc.
- ▶ UART Port expansion, enabling integration with mailbox, auto-schedule DO module control, LED display, voice module, etc.

* SSC (SOYAL SECURITY COMMUNICATION)

To enhance security of communication

● Standard

○ Optional By Order



Frequency	125Khz 13.56Mhz	ISO18000-2: EM4001 and EM4095 compatible									
UID Bits	ISO14443/ISO 7816-4 Mifare Ultralight, Classic, Plus / DESFire EV1, EV2 / NFC (card simulation) / ISO15693 / Felica 24~64 Bit (Adjustable)										
RF Reading Range	125Khz 13.56Mhz Dual Band	3-7 cm 1-3 cm 1-7 cm	3-7 cm 1-5 cm 1-7 cm	3-5 cm 2-4 cm 2-5 cm	PC : 10-15 cm / Metal : 5-9 cm PC : 2-8cm / Metal : 2-5 cm PC : 2-15 cm / Metal : 2-9 cm	5-15 cm 2-5 cm 2-15 cm	5-15 cm 2-5 cm 2-15 cm	5-15 cm 2-5 cm 2-15 cm	5-15 cm 2-5 cm 2-15 cm	5-15 cm 2-5 cm 2-15 cm	5-15 cm 2-5 cm 2-15 cm
QR Code Scan Distance	—										5-20 cm
Crypto	CC Certification: AES Crypto comply with EAL5+ (13.56Mhz & Dual Band)										
Host	RS-485(9600 bps)	●	●	●	●	●	●	●	●	●	●
	TCP/IP	○	○	○	○	○	○	○	○	○	○
	POE	○	○	○	○	○	○	○	○	○	○
	*SSC	●	●	●	●	●	●	●	●	●	●
Serial	TTL UART(4800~115200 bps)X2 (half-duplex)	X2	X1	X2	X2	X2	X2	X2	X2	X1	X1
Wiegand Input	Wiegand 26~64										
Wiegand Output	Wiegand Data 0, Data 1 and Arming Output, Duress Output share the same terminal										
DI/DO	DI	Egress X2 / Door Status X2									
	Relay output	Door Lock Relay / Alarm Relay									
	Open Collect Output	Arming Output / Security trigger signal / Duress Output / Alarm Output / Wiegand Port open door									
Doors	2										
User Capacity / Floors Number	16,000 Users/64 Floors (Default value) ; 32,000 Users/32 Floors ; 65,000 Users/16 Floors										
Event Log	32,000										
Power Voltage	9-24VDC										
Power Consumption	<5W										
Indicator	LED	2 Bi-Color LED (Blue/Yellow ; Green/ Red)	6 LED (Green/ Red)	1 Bi-Color LED (Green/Red)							6 LED (Green/ Red)
	Buzzer	1									
TAMPER	Limit switch (1 Form C/ 1000mA / 30VDC)										
LCD Panel	—		128*64 (4 line messages, 16 Characters each line)	—		—					128*64 (4 line messages, 16 Characters each line)
Housing Material	PC / Zinc Alloy		Zinc Alloy	Metal Housing	PC / PC+Metal	ABS (Fire-proof level: 94V0)		PC	ABS (Fire-proof level: 94V0)		
Color	● Chrome		● Chrome	● Champagne Gold	● Black	● Gray	Edge: ● Black / ● Silver	Hairline texture printing ; Edge: ● Black / ● Orange		Edge: ● Black / ● Silver	
Keypad	Illuminated Touch-Panel / * Invisible Keypad Function			Illuminated Touch-Panel	Illuminated Touch-Panel / * Invisible Keypad Function	Electroplated Rubber Keyboard	Illuminated Rubber	Illuminated Touch-Panel	Illuminated Rubber		
Dimension (mm)	158(H)X55(W)X30(D)		140(H)X 92(W)X40(D)	120(H)X70(W)X25.7(D)	PC Housing: 110(H)X79(W)X26(D) ; Metal Housing: 125(H)X89(W)X30(D)	126(H)X91(W)X46(D)	AR-837-E: 128(H)X94(W)X40(D) AR-837-EE: 128(H)X147(W)X60(D)	135(H)x103(W)x30(D)	128(H)X147(W)X60(D)	128(H)X147(W)X73(D)	Roof Type: 128(H)X147(W)X73(D) ; Standard Type: 128(H)X147(W)X65(D)
Net Weight (g)	PC: approx. 140 / Zinc Alloy: approx. 245		approx. 430	approx. 300	PC Housing: approx. 120 / Metal Housing: approx. 470	approx. 240	AR-837-E: approx. 230 / AR-837-EE: approx. 395	approx. 255	approx. 340	approx. 320	approx. 320
Ingress Protection	IP65		IP56	IP66	IP55	IP65	IP65	IP66	AR-837-EA: IP65 ; AR-837-EA-T: No		
Environment	Operating Temperature: -20°C ~ +70°C / Storage Temperature: -40°C to +75°C / Operating Humidity: 0%~90% (non-condensing) / Storage Humidity: 0%~95% (non-condensing)										

	AR-331-EF	AR-837-EF9DO
Fingerprint		
FP Sensor Type	Optical Sensor	Optical Sensor
FRR	<0.1%	<1%
Image Resolution	450dpi	500dpi
Fingerprint Capacity	1500FP	9000FP
Total Users with FP Capacity	500 User (1-3 fingerprints for each user)	4500 User (1-2 fingerprints for each user)
Identification Speed (1:1000)	<1.5sec	<0.7sec
Sensible Temperature	+38 °C-39 °C	+30 °C-31 °C

	AR-837-EA			
Face Recognition	Verification Speed	1:3000 < 3.0 Sec	FRR (False Rejection Rate)	≤ 0.4%
	Face Capacity	3,000	TAR (True Accept Rate)	≥ 99.6%
	Image Screen	2.8 TFT LCD Screen (320*240)		
	Camera	RGB(640*480) + IR(640*480)		
	LCD Screen for Programming	128*64 Menu LCD Screen		
	Assistant Exposure Light	White LED / IR high brightless LED		
	FAR (False Accept Rate)	≤ 0.0001%		

	AR-837-EA	
Body Temperature Measurement Module	Operating Temperature	+10 ~+35°C (Operating in indoor and windless environment)
	Measurement Accuracy	0.1°C
	Temperature Measurement Range	35.6 ~ 42.0°C
	Response Time	2~3 Sec.
	Measuring Angle of View	38 FOV X&Y
	Wavelength Range	6.5~ 9.5 μm
	Tolerance Scope	±0.5°C
	Optimal Measurement Distance	50 cm(measurement result. The measurement result within ±10CM measuring distance can be accurate to ±0.5C range)

Home Series

- ▶ Economical access controller, available with standalone mode and networking
- ▶ Built-in 1024 or 3000 user capacity, 11 groups of scheduled access time zone, and 2 groups of scheduled auto time zone.
- ▶ Support Cascade Structure for easy scaling, under multi-door control panel scale up user capacity into 16000, scheduled access time zone into 63 groups, and scheduled auto time zone into 63 groups.
- ▶ In-field firmware upgrade for more varieties of applications : starting from standard application such as access controller, lift control, time attendance, payroll, and SCADA: graphic monitoring & remote control function; into automatic deduction charging station, interlock, mailbox management system, parking lot, and many more.

Standard

Access Controller
AR-101-H



Metal Controller
AR-321-H



Mullion Touch Keypad Controller
AR-331-H



Keypad Controller
AR-721-H



Access Controller
AR-723-H



Touch Keypad Controller
AR-725-H



Flush-Mount Touch Keypad Controller
AR-888-H



Smart Digital Door Lock
AR-323-D
Keyless



Illuminated Touch Panel



Frequency	125Khz 13.56Mhz	ISO18000-2: EM4001 and EM4095 compatible ISO 14443/ISO 7816-4 Mifare Ultralight, Classic, DESFire EV1, NFC (card simulation)						
UID Bits	24-32 (Adjustable)							
RF Reading Range	125Khz 13.56Mhz	— 1-3 cm	*3-7 cm *1-3 cm	*3-7 cm *1-3 cm	10-18cm 2-8cm	5-12 cm 2-8 cm	PC: 10-15 cm Metal : 5-9 cm PC : 3-8 cm Metal : 3-5 cm	5-15 cm 2-5 cm
Crypto	CC Certification: 3DES Crypto comply with EAL4+							
Host	RS-485 (9600 bps) *SSC	● ● (13.56Mhz)						
Serial	UART PORT (Only Output)	●						
Wiegand Input	Wiegand 24-34							
Wiegand Output	No							
DI/DO	DI Relay output Open Collect Output	Egress / Door Status Door Lock Relay		Egress / Door Status No		Egress / Door Status Door Lock Relay		
Doors	1.5 Doors							
User Capacity / Floors Number	1,024 Users / 32 Floors	3,000 Users / 32 Floors	3,000 Users / 32 Floors	1,024 Users / 32 Floors	1,024 Users / 32 Floors	3,000 Users / 32 Floors	3,000 Users / 32 Floors	
Event Log	1,100	1,500	1,500	1,100	1,100	1,500	1,500	
Power Voltage	9-24VDC							
Power Consumption	<3W							
Indicator	LED Bi-Color LED Frame (Green/Red) Buzzer	3 Bi-Color LED (Blue/Red)	2 Bi-Color LED(Blue/Yellow ; Green/ Red)	Bi-Color LED (Green/Red)	Bi-Color LED (Green/Red)	Bi-Color LED (Green/Red)	3 LED (White) ; Bi-Color LED Frame (Green/Red)	
TAMPER	No	Limit switch (1 Form C/ 1000mA / 30VDC)		No		Limit switch (1 Form C/ 1000mA / 30VDC)	Button Switch (Type A/50mA/30VDC)	
Housing Material	ABS (Fire-proof level: 94V0)	Zinc Alloy	Zinc Alloy / PC	ABS (Fire-proof level: 94V0)		PC / Metal Housing (PC + Zinc Alloy)	Anti-Scratch PC+ABS	
Color	Black Label Sticker	Chrome	Chrome	Black/ Gray/ Silver		Black	Black/ Hairline texture printing	
Keypad	No (For Wgkeyboard Operation)	Illuminated Touch-Panel / * Invisible Keypad Function		Rubber	No (For Wgkeyboard Operation)	Illuminated Touch-Panel / * Invisible Keypad Function	Illuminated Touch-Panel / * Invisible Keypad Function	
Dimension (mm)	37(H)X 37(W) X31(D)	114(H)X78(W) X33(D)	158(H)X55(W) X30(D)	111(H)X77(W) X26(D)	81(H)X43(W) X18(D)	PC Housing: 110(H)X79(W)X26(D) Metal Housing: 125(H)X89(W)X30(D)	EU: 88(H)X86(W)X34(D) US: 118(H)X81(W)X34(D)	
Net Weight(g)	approx. 30	approx. 290	PC: approx.140 Zinc Alloy: approx. 245	approx. 100	approx. 40	PC Housing: approx. 120 Metal Housing: approx. 470	EU: approx. 110 US: approx. 120	
Ingress Protection	No	IP56	IP56	No	IP56 / IP66(Epoxy)	IP55	IP65 (Surface)	
Environment	Operating Temperature: -20°C ~ +70°C / Storage Temperature: -40°C to +75°C / Operating Humidity: 0%~90% (non-condensing) / Storage Humidity: 0%~95% (non-condensing)							

Frequency	13.56Mhz	
Supported Tags	ISO 14443 /ISO 7816-4 Mifare Ultralight, Classic, DESFire EV1, NFC (card simulation)	
UID Bits	24-32 (Adjustable)	
RFID Reading Range	2-8cm	
Crypto	CC Certification: 3DES Crypto comply with EAL4+	
Host	RS-485 (9600 bps) *SSC	● ●
Serial	UART PORT (Only Output)	●
Wiegand Input	Wiegand 24-34	
Wiegand Output	No	
Door Type	Lock Type	US
	Door Thickness	40mm ~ 80mm *If do not have fitting size welcome to contact us. *If installation door thickness is 5cm or thicker, please give note when placing the order to provide compatible sparepart
	Opening Method	RH: Right Push / LH: Left Push / RHR: Right Pull / LHR: Left Pull
	Unlock Operation	13.56Mhz tags and mechanical key
Battery	Battery Spec	6VDC (LR6-AA x 4 UNIT, 2500mAH)
	Battery Life	About 8 Months (average 6 times per day usage)
	Low Battery Warning	YES (<5.3VDC)
	Low Voltage Solution	Capability to connect an external 9VDC power supply
DI	Bolt detection	
User Capacity / Floors Number	1,024 Users / 32 Floors	
Event Log	1,100	
Power Supply	Battery-powered: No / Networking type : 9-24VDC	
Power Supply	Battery-powered	<80uA/6VDC
	Networking type	<3W
Indicator	1 Bi-Color LED (Green/Red) / 1 Buzzer	
Housing	Zinc Alloy	
Keypad	No	Illuminated Touch Panel
Color	● Silver/ ● Red/ ● Champagne Gold	● Black
Dimension (mm)	276(H)X26(W)X75(D)	
Net Weight(kg)	approx. 3.9	
Environment	Operating Temperature: -20°C ~ +70°C Storage Temperature: -40°C to +75°C Operating Humidity: 0%~90% (non-condensing) Storage Humidity: 0%~95% (non-condensing)	

*AR-323D - Opening Method :RH: Right Push / LH: Left Push / RHR: Right Pull / LHR: Left Pull : Door Thickness : 40mm~80mm options

* SSC (SOYAL SECURITY COMMUNICATION) : To enhance security of communication







Proximity Reader

- ▶ Providing 2 frequencies for option: 125kHz or 13.56MHz, output format Wiegand and ABA etc adjustable per controller specification.
- ▶ RS485 Security Communication, long distance; built-in watchdog to prevent halting.
- ▶ Suited to external controller, easy integration with SOYAL or other brand's Access Control system.

		Mini Proximity Reader AR-101-U	Metal Proximity Reader AR-321-K/U	Mullion Proximity Reader AR-331-K/U	Keypad Proximity Reader AR-721-K	Tiny Proximity Reader AR-723-U	Proximity Reader AR-725-K/U	Flush-Mount Proximity Reader AR-888-K/U	QR Code Proximity Reader AR-888-UL	RFID Long Range Proximity Reader AR-661U	UHF Long Range Reader AR-661UG	RFID LCD Scanner AR-661UG-L
Frequency		125Khz	EM									
UID Bits		13.56Mhz	ISO 14443/ISO 7816-4 Mifare Ultralight, Classic, DESFire EV1, NFC (card simulation)									
RF Reading Range		24~32 (Adjustable)										
RF Reading Range	125Khz	—	3-7 cm	3-7 cm	10-18 cm	6-12 cm	PC Housing: 10-15 cm Metal Housing: 5-9 cm	5-15 cm	5-15 cm			
	13.56Mhz	—	1-3 cm	1-3 cm	3-8 cm	3-8 cm	PC Housing: 3-8 cm Metal Housing: 3-5 cm	2-5 cm	2-5 cm			
	Dual Band	1-3 cm	—	—	—	—	—	—	2-15 cm			
QR Code Scan Distance		—	—	—	—	—	—	—	5-20 cm			
Read/Write		125kHz: Read Only / 13.56MHz: Read/Write										
Crypto		CC Certification: 3DES Crypto comply with EAL4+ (13.56MHz)										
Host	RS-485 (9600 bps)	●										
	*SSC	● (13.56MHz)										
Serial	UART PORT (Only Output)	●										
Wiegand Input		Wiegand 24-34										
Wiegand Output		Wiegand Data 0 Data 1										
DI/DO	DI	LED (Red) / LED (Green) / Buzzer										
	Relay output	No										
	Open Collect Output	No										
Power Voltage		9-24VDC										
Power Consumption		<1W										
Indicator	LED	Bi-Color LED Frame (Green/Red)	3 Bi-Color LED (Blue/Red)	2 Bi-Color LED (Blue/Yellow ; Green/ Red)	Bi-Color LED (Green/Red)	Bi-Color LED (Green/Red)	Bi-Color LED (Green/Red)	3 LED (White) / Bi-Color LED Frame (Green/Red)	Bi-Color LED Frame (Green/Red)			
	Buzzer	1										
TAMPER		No	No	Limit switch (1 Form C/ 100mA / 30VDC)		No	Limit switch (1 Form C/ 100mA / 30VDC)		Button Switch (Type A/50mA/30VDC)		No	
Housing Material		ABS	Zinc Alloy	PC / Zinc Alloy		ABS		PC / PC+Metal		ABS+PC Panel		
Color		Black Label Sticker	● Chrome	● Chrome	● Black / ● Gray / ● Silver		● Black		● Black/ ● Hairline texture printing		● Black	
Keypad		NO (support external Wiegand Keyboard)	AR-321-K & AR-331-K : Illuminated Touch-Panel / * Invisible Keypad Function		Rubber	NO (support external Wiegand Keyboard)		AR-725-K / AR-888-K : Illuminated Touch-Panel / * Invisible Keypad Function		No		
Dimension (mm)		37(H)X37(W) X31(D)	114(H)X78(W) X33(D)	158(H)X55(W) X30(D)	111(H)X77(W) X26(D)	81(H)X43(W) X18(D)	PC Housing: 110(H)X79(W)X26(D) Metal Housing: 125(H)X89(W)X30(D)		EU: 88(H)X86(W)X34(D) US: 118(H)X81(W)X34(D)			
Net Weight(g)		approx. 30	approx. 290	PC: approx. 140 Zinc Alloy: approx. 245	approx. 100	approx. 40	PC Housing: approx. 120 Metal Housing: approx. 470		EU: approx. 110 US: approx. 120			
Ingress Protection		No	IP56	IP56	No	IP56 / IP66(Epoxy)	IP55		IP65 (Surface)			
Environment		Operating Temperature: -20°C ~ +70°C / Storage Temperature: -40°C to +75°C / Operating Humidity: 0%~90% (non-condensing) / Storage Humidity: 0%~95% (non-condensing)										
Frequency		125Khz	EM Standard		ISO18000-6C							
Supported Tag		125Khz EM tags	H3,4 chip tags can be used Vehicle tags and Hand-held tags									
Communication Interface		Wiegand / 34+4, ASYNC	Wiegand, RS485		Micro USB							
Baud Rate		9600 bps (N, 8, 1)	9600 bps (N, 8, 1)		No							
Reading Range		33-60 cm	4-6 Meters		> 50 cm							
Read/Write		Read only	Read only		Read only							
Watchdog function		Yes	Yes		Yes							
Power Consumption		<3W	<18W		23 dBm							
Power Supply		9-24 VDC	12VDC		12VDC							
Indicator		3 LED, 1 Beeper	1 LED		No							
Housing Material/ Color		ABS/Gray	ABS/Ivory		ABS/Ivory							
Dimensions (mm)		230(L)x230(W) x39(H)	228(L)x228(W) x52(H)		112(L)x94(W) x31(H)							
Weight(g)		approx. 1000	approx. 940		approx. 225							
Ingress Protection		IP56	IPX6		No							
Temperature		-20°C to +65°C		0°C to +45°C								




Industry Series




- ▶ Modular design, customizable firmware for diverse needs on site
- ▶ Flexible choice, option with TCP/IP or RS485 connection per need
- ▶ Support Modbus protocol, suited to the integration with IoT,SOYAL and general systems.

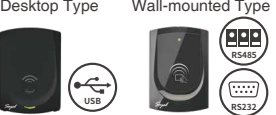



		TCP		RS485			
		Modbus Gateway (TCP-RTU) TCP to Wiegand Converter Built-in 8DI 1RO 3DO AR-727-CM-IO- 0804M 	Serial-to-Ethernet Server with I/O Module AR-401-IO-0808R-U2 	16-ch-Relay Output Controller AR-401-IO-0016R 	26-ch Isolated DI/RO Module AR-401-IO-1709R 	Universal I/O Module AR-403-IO-0202M-IR AR-403-IO-0404M  	
Interface	Ethernet	10/100 Mbps Base T Ethernet <--> RS485	support TCP/Server,TCP/Client, UDP Mode	—			
	Serial port	RS485 X2 Baud Rate 2400 bps - 115200 bps (By order: RS232, RS232+RS485) Auto detect Support TCP/Sever, TCP/Client, UDP Mode	RS485 X 2, support TCP/Server,TCP/Client, UDP Mode	RS485 X1			
	Baud Rate	4800 bps -115200 bps	4800 bps -115200 bps	9600 bps (N,8,1)			
	Inputs	8 Digital Input	8 Digital Input	—	17 units of Digital Input (share one COM point for every 4 DI, each DI unit selectable for positive trigger (9-24VDC) or sub-trigger mode (0V))	2 Digital Input (with 1 IR)	4 Digital Input
	Outputs	4 Digital Output : 1 Relay Output (Form C) 1A/30VDC + 3DO	8 Relay Output (5A/250VAC,5A/30VDC)	16 Relay Output (Form C) 1A/30VDC	9 Relay Output (Form C) 3A/125VAC, 3A/30VDC	2 Digital Output (MosFET)	4 Digital Output (MosFET)
	WG port	DO-1 & DO-2 Output WG 128bits maximum, supporting user defined format,auto add even parity bit and odd parity bit and various format, etc.	—	—			
PoE	—	PoE option,12W/1A	—				
Protocol	ModBus-TCP, ARP, IP, TCP Client,UDP, ICMP, HTTP, DHCP, NetBIOS			Modbus, Soyal			
Serial Buffer	1K each channel			—			
LED Indicator	Power: Tx/Rx, D.O./D.I			Power: Tx/Rx, D.O./D.I			
Watchdog Function	YES			YES			
Built-in linkage function	YES			YES			
Surge Suppression	400W peak power dissipation. Clamping time < 1 picosecond (theoretical) Power: bi-directional avalanche breakdown device. RS485 bi-directional avalanche breakdown device.			400W peak power dissipation. Clamping time < 1 picosecond (theoretical) Power: bi-directional avalanche breakdown device. RS485 bi-directional avalanche breakdown device.			
Fuses	Power & RS485 both with PTC Protector			Power & RS485 both with PTC Protector			
Isolation	No	Input optical isolation 5kV	Input optical isolation 5kV		—		
Power Supply	9-24 VDC			9-24 VDC			
Power Consumption	<2W			<8W	<4W	<1W	
Dimension(mm)	106.5(H)x66(W)x27.7(D)	PCB: 127(H)x148(W)x20(D) Panel Mounting Base: 127(H)x175(W)x30(D) Metal Box: 180(H)x231(W)x62(D)	PCB: 117(H)x148(W)x20(D) Panel Mounting Base: 117(H)x175(W)x30(D) Metal Box: 180(H)x231(W)x62(D)	PCB: 120(H)x190(W)x20(D) Panel Mounting Base: 120(H)x220(W)x30(D) Metal Box: 180(H)x231(W)x62(D)	60(H)x43(W)x20(D)		
Net Weight (g)	approx. 120	Panel Mounting Base:approx. 232	PCB: approx. 100 Panel Mounting Base: approx. 182 Metal Box: approx. 1760	Panel Mounting Base : approx. 455		approx. 31	
Network/Device setting	701Server, 701Client, HTTP Web page for any browser			701Server, 701Client, Commview.exe			
OS Supported	Windows 7/8/10, Win Server 2008/2012/2016			Windows 7/8/10, Win Server 2008/2012/2016			
Operating Temperature	20°C ~ +70°C			20°C ~ +70°C			

Energy Saver / Card Encoder / Card Register Reader / Fingerprint Enroller

- ▶ Support Mifare/DESFire Read/Write / encryption for anti-cloning to enhance usage security.
- ▶ Support USB interface Card and Fingerprint enrollment; after enrolling on computer, the card or fingerprint data can be downloaded to other devices for usage.
- ▶ Two Mifare Energy Saver for choice, applied to card encryption and consumption places such as hotel, cashless vending, POS machine, Public transportation, student dormitories.







		Energy Saver		Smart Switch
		LCD Card Energy Saver AR-837-W	Card Energy Saver AR-888-W	Modbus Smart Switch AR-888-T Programmable with SOYAL or MODBUS-RTU protocol
<ul style="list-style-type: none"> ● Standard ⊙ Optional By Order 				
Frequency	125Khz	—	ISO18000-2: EM4001 and EM4095 compatible	—
	13.56Mhz	ISO14443 / ISO 7816-4 Mifare Ultralight, Classic, Plus / DESFire EV1, EV2 / NFC (card simulation) / ISO15693 / Felica	ISO 14443/ISO 7816-4 Mifare Ultralight, Classic, DESFire EV1, NFC (card simulation)	—
UID Bits		24~64 Bit (Adjustable)	24~32 (Adjustable)	—
RF Reading Range		Card Holder Type	Card Holder Type	—
Crypto		CC Certification: AES Crypto comply with EAL5+	CC Certification: 3DES Crypto comply with EAL4+	—
Host	RS-485 (9600 bps)	●	●	●
	TCP/IP	⊙	—	—
	POE	⊙	—	—
	*SSC	●	● (13.56Mhz)	—
Serial		TTL UART (4800~115200 bps) X2 (half-duplex)	UART PORT (Only Output)	—
Wiegand Input		Wiegand 26~64	—	—
Wiegand Output		Wiegand Data 0, Data 1 and Arming Output, Duress Output share the same terminal	—	—
DI/DO	DI	Egress X2 / Door Status X2	Don't disturb / Clean Up / Service / Help	—
	Relay output	Door Lock Relay / Alarm Relay	Relay	EU: X2 / US: X3
	Open Collect Output	Arming Output / Security trigger signal / Duress Output / Alarm Output / Wiegand Port open door	Service output / Help output	—
Doors		2	1.5 Doors	—
User Capacity / Floors Number		16,000 Users/64 Floors (Default value) ; 32,000 Users/32 Floors ; 65,000 Users/16 Floors	3,000 / 32 Floors	—
Event Log		32,000	1,500	—
Power Voltage		9-24VDC	9-24VDC	9-24VDC
Power Consumption		<5W	<3W	<5W
Indicator	LED	6 LED (Green/ Red)	Bi-Color LED Frame (Green/Red)	EU: X2 / US: X3
	Buzzer	1	1	—
Extend Port		Tamper Switch / Tamper Output	—	—
LCD Panel		128*64 (4 line messages, 16 Characters each line)	—	—
Housing Material		ABS	ABS	ABS
Color		Edge: ● Black / ● Silver	● Black	● Black
Keypad		Illuminated Rubber	—	EU: 2 Switch button US: 3 Switch button
Dimension (mm)		128(H)x147(W)x68(D)	EU: 88(H)x86(W)x44(D) US: 118(H)x81(W)x44(D)	EU: 88(H)x86(W)x34(D) US: 118(H)x81(W)x34(D)
Net Weight(g)		approx. 395	EU: approx. 110 US: approx. 120	EU: approx. 110 US: approx. 120
Ingress Protection		No	No	IP65 (Surface)
Environment		Operating Temperature: -20°C ~ +70°C / Storage Temperature: -40°C to +75°C / Operating Humidity: 0%~90% (non-condensing) / Storage Humidity: 0%~95% (non-condensing)		

	DND&MUR Switch AR-888-CPO AR-888-CPI	DESFire Card Encoder AR-837-P	Mullion Fingerprint Enroller AR-331-UF
	 CPO	 SOYAL DESFire SIM Included DESFire Launch Card	
Frequency	—	13.56MHz	—
Standard	—	ISO14443A (3DES)	—
Supported Tag	—	DESFire Tag (EV1, EV2)	—
Finger Capacity	—	—	1,500
Communication Interface	—	RS485(9600, N, 8, 1)	USB 2.0 Virtual COM Port
Reading Range	—	1-3 cm	—
Read / Write	—	Read / Write	—
Watchdog function	—	Yes	—
Power Supply	—	<5W	—
Power Supply	9-24VDC	9-24VDC	5VDC
Relay	24VDC/7A , 240VDC / 7A	—	<5W
Do Not Disturb/ Make Up Room LED	Low Active / 20mA max (AR-888-CPI)	—	—
Indicator	CPO : 3 Bi-color LED / CPI : 2 Bi-color LED	6 LED / 1 Buzzer	2 Bi-Color LED (Blue/Yellow ; Green/ Red) / 1 Buzzer
Switch button	CPO : 2 (DND&MUR) / CPI : 1 (Doorbell)	—	—
Housing Material	ABS+PC Panel	ABS	ABS
Dimension(mm)	88(H)x86(W)x9/34(D)	128(H)x147(W)x60(D)	158(H)x55(W)x30(D)
Net Weight (g)	approx. 90	approx. 470	approx. 140
Environment	Operating Temperature: -20°C ~ +70°C / Storage Temperature: -40°C to +75°C / Operating Humidity: 0%~90% (non-condensing) / Storage Humidity: 0%~95% (non-condensing)		

	Illuminated Backlight Access Reader AR-725-U-USB	MIFARE Card Programmer AR-725-P	USB-HID Dual-Band Quick Card Registration Reader (for 701Client) AR-725-R	USB-HID Dual-Band Reader (Support NFC/ Keyboard Simulation) AR-725-N
				
Frequency	13.56MHz	13.56MHz (Using for Encryption, Mifare only)	Dual Band (125kHz + 13.56MHz)	Dual Band (125kHz + 13.56MHz)
Supported Tags	MIFARE Tag	MIFARE Tag	EM Tag, MIFARE / DESFire Tag	EM Tag, MIFARE / DESFire Tag
RFID Reading Range	3-8 cm	1-3 cm	1-3 cm	1-3 cm
Communication	USB COM Port Simulation Mifare Reader	USB COM Port Simulation Mifare Reader	HID (Human Interface Device) only for 701Client	HID (Human Interface Device) Keyboard Simulation
Interface	USB / RS485 / RS232	USB	USB	USB
Read / Write	Read Only	Read / Write	Read Only	Read Only
Indicator	1 Bi-color LED / 1 Buzzer			
Power Voltage	Power supplied via USB 5VDC			
Power Consumption	<0.5W			
Interface	USB Driver		Plug & Play	
Function Details	USB Mifare reader, used for transfer card UID only	Mifare Encryption, for SOR (Soyal Open system Rules)	Quick RFID tags enrollment reader on 701Client software	Keyboard simulation, quick RFID card enrollment in TXT and excel document
Housing Material	Desktop Type: PC / Wall-mounted Type: ABS	ABS	ABS	ABS
Color	Desktop Type: ● Black ; Wall-mounted Type: ● Black / ● Gray / ● Silver / ● Pearl White	● Black	● Black	● Black
Weight (g)	Desktop Type: approx. 90 / Wall-mounted Type: approx. 150	approx. 90	approx. 90	approx. 90
Dimension (mm)	110(H)x79(W)x26(D)	110(H)x79(W)x26(D)	110(H)x79(W)x26(D)	110(H)x79(W)x26(D)
Environment	Operating Temperature: -20°C ~ +70°C / Storage Temperature: -40°C to +75°C / Operating Humidity: 0%~90% (non-condensing) / Storage Humidity: 0%~95% (non-condensing)			






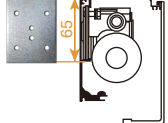
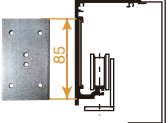
Signal / Interface Converter










- Adjustable baud rate (4800-115200 bps) with multi-signal conversion: RS-232/RS485 to TCP/IP (TCP Server/TCP Client/UDP/Virtual COM/TCP Keep alive), USB to RS45, TTL to RS485.
- LED indicators for power supply and communication RX/TX for debugging and status display. Surge protection: 3kV, low power consumption: <1w, Active distance: 300 meters.
- Support 12V or 5V devices respectively. Expandable with peripherals devices, ex: LED display, lift control, PLC, printer, etc.

	Serial-to-Ethernet Server AR-727-CM 	Isolated USB to RS485 Converter AR-321-CM 	Isolated RS-232 / RS-485 Converter AR-321-CM-485232 	TTL to RS485 Converter for H Series Controller AR-321L485-12V 	TTL to RS485 Converter for E Series Controller AR-321L485-5V 	TTL to RS485 Converter AR-321DAX1 
Interface	10/100 Mbps BaseT Ethernet <--> RS485 (By order: RS232,RS232+RS485) Auto detect	USB <--> RS485	RS485 <--> RS232	TTL <--> RS485	TTL <--> RS485	TTL <--> RS485
Baud Rate	4800 bps - 115200 bps	4800 bps - 115200 bps				
Protocol	ARP, IP, TCP Client, UDP, ICMP, HTTP, DHCP, NetBIOS	—	—	—	—	—
Serial Buffer	1K each channel	—	—	—	—	—
LED Indicator	9 LEDs for Power, Communication	3 LEDs for Power, Communication	3 LEDs for Power, Communication	—	—	—
Watchdog Function	Yes					
Active Distance	300m (RS485)					
Surge Suppression	Power: 30 Volt, bi-directional avalanche breakdown device. RS485 6.5 Volt, bi-directional avalanche breakdown device. 400W peak power dissipation. Clamping time < 1 picosecond(theoretical)	—	—	—	—	—
Fuses	Power PTC 150mA , RS485 PTC 30mA		—	—	—	—
Isolation	Optical 5 kV	Electric 2.5 kV	Electric 2.5 kV	—	—	—
Power Supply	9-24 VDC	5 VDC	12 VDC	12 VDC	5 VDC	12 VDC
Power Consumption	<2W	<1W	<1W	<1W	<1W	<1W
Dimension(mm)	106.5(H)x66(W)x27.7(D)	76(H)x37(W)x16.4(D)	76(H)x37(W)x16.4(D)	52(H)x14(W)x11(D)		
Net Weight (g)	approx. 90	approx. 60	approx. 60	approx. 14		
OS Supported	Windows 7/8/10, Win Server 2008/2012/2016			—		
Network/Device setting	HTTP Web browser, UDP Updater change IP address	—				
Operating Temperature	-20°C to +70°C					

Electric Bolt Lock

- ▶ Designed to pursue high security, strong lock body, and easy installation; makes your access controller automation safer and high in durability.
- ▶ Made with all-electronic optocoupler and hall sensor elements, no mechanical switch structure for endless usage that never wears out.
- ▶ Compact in size, support 12-24VDC full range voltage
- ▶ Wide range of electric bolt lock selections to provide low to high security based on requirements.

Intelligent & Vandal resistant Electric Dropbolt Lock (Patent No. I682093)					Electric Bolt Lock for Automatic Door	
Fail-Safe Electric Drop Bolt Lock AR-1207A-29/36	Fail-Secure Electric Drop Bolt Lock AR-1207B-29/36	Fail-Safe Electric Drop Bolt Lock with Cylinder AR-1207A-29/36-F	Fail-Secure Electric Bolt Lock with Cylinder AR-1207B-29/36-F	Electric Bolt Lock for Automatic Door AR-1207A-29/36-5065 AR-1207A-29/36-5085		
						
					Select automatic sliding door bracket based on extrusion track's dimension. AR-1207A-29/36-5065 AR-1207A-29/36-5085	
					 	
					Narrow Extrusion Track Wide Extrusion Track	
Suitable Installation	Public Space	Private Space	High Authorization Area	Private Space	Automatic Slide Door	
Distance between screw hole and bolt	29mm	AR-1207A-29	AR-1207B-29	AR-1207A-29-F	AR-1207B-29-F	AR-1207A-29-0565 / AR-1207A-29-0585
	36mm	AR-1207A-36	AR-1207B-36	AR-1207A-36-F	AR-1207B-36-F	AR-1207A-36-0565 / AR-1207A-36-0585
Operating Voltage	DC12V-24V					
Current Draw	1A(12V) / 0.5A(24V)					
Power Saving Mode	220mA (12V) / 110mA (24V)					
Material	Lock Body	Union Body Zinc Alloy				
	Strike Plate	Stainless Steel				
	Bracket	Alluminium Alloy				
Lock Surface Temperature	Low Temperature					
Operating Temperature	-20°C to +70 °C					
Solenoid test	Over 500,000 times					
Humidity	0~90%(non-condensing)					
Dimension (mm)	AR-1207A/B-29	Lock Body: 200(H) x 32(W) x 32(D) / Strike Plate: 104(H) x 32(W) x 3.5(D) / Dropbolt Length: 16 mm				
	AR-1207A/B-36	Lock Body: 205(H) x 32(W) x 32(D) / Strike Plate: 104(H) x 32(W) x 3.5(D) / Dropbolt Length: 16 mm				
Net Weight (g)	approx. 500					
Time Delay	0s, 3s, 9s					
LED Indicator	YES					

	U Bracket		BR Bracket		BR Bracket (Electric Bolt Lock with Cylinder)		C Bracket	Bracket for Automatic Door	
	AR-BU-180	AR-BU-078	AR-BE-180	AR-BE-078	AR-BE-240	AR-BE-242	MMET-120XI01	AR-BA-5065	AR-BA-5085
									
					(Applicable AR-1207A/B-29-F)	(Applicable AR-1207A/B-36-F)			
Dimension (mm)	50(H) x 210(W) x 22(D)	50(H) x 110(W) x 22(D)	44(H) x 210(W) x 50(D)	44(H) x 110(W) x 50(D)	50(H) x 276(W) x 45(D)	50(H) x 276(W) x 45(D)	24(H) x 95(W) x 23.5(D)	50(H) x 65(W) x 2(D) 40(H) x 40(W) x 16(D) 57(H) x 28(W) x 38(D)	50(H) x 85(W) x 2(D) 40(H) x 40(W) x 16(D) 57(H) x 28(W) x 38(D)
Net Weight (g)	approx. 537	approx. 272	approx. 386	approx. 228	approx. 460	approx. 460	approx. 81	approx. 186	approx. 186

Electronic Magnetic Lock

- ▶ Anti-vandalism, sturdy, and high durability magnetic locks with bi-color LED status indicator
- ▶ Wide product range from a minimum holding force of 90pounds to a maximum 1500pounds. Provide selections for outdoor use with waterproof
- ▶ **AR-0600M** Three Registered International Patent : Anti Residual Magnetism Design (Patent no. : Taiwan M597321 / EP 20168850.4-1005 / China 202010170047.8)
Anti Falling Design (Patent no. : USA 16/828.910 / Taiwan I679336/ EP 20168852.0-1005 /China 202010227686.3)
Strong Lock Design (Patent no. : USA 16/828.931 / Taiwan I679336 / EP 20168852.4 / China 202010227687.8)

*Z&L Bracket

Z and L Bracket can be purchased separately

		Indoor Type						Outdoor Type		Indoor Type		
		AR-0090M	AR-0180M	AR-0200M	AR-0300M	AR-0600M	AR-0600M-R (Embedded type)	AR-1200M	AR-0400WF (Face Mount)	AR-1500WF (Face Mount)	AR-721RB	
Operating Voltage		12VDC/24VDC						12VDC/24VDC				
Current Draw		60mA~130mA	12 VDC - 200 mA 24VDC - 100 mA	12VDC - 200mA 24VDC - 100mA	12VDC - 370mA 24VDC - 185mA	500mA/12VDC 250mA/24VDC	12VDC - 400mA 24VDC - 200mA	12VDC - 500mA 24VDC - 250mA	12VDC - 370mA 24VDC - 185mA	12VDC - 500mA 24VDC - 250mA		
Lock Type		Lock Housing: Alluminium Alloy, Armature Plate: Pure Iron, Bracket: Alluminium Alloy						Lock Housing : Stainless Steel , Armature Plate : Pure Iron , Bracket : Alluminium Alloy				
Holding Force(kg)		40	80	110	150	270	250	500	180	600		
Solenoid Test		Over 500,000 times						Over 500,000 times				
Lock Surface Temperature		≤ ambient temperature ± 20°C						≤ ambient temperature ± 20°C				
Operating Temperature		-10°C ~ +55°C						-10°C ~ +55°C				
Humidity		0~95% non-condensing						0~95% non-condensing				
Dimension (mm)		Magnet : 35(H)X70(W)X20(D) (L Bracket included) Armature Plate : 32(H)X62(W)X9(D)	Magnet : 38(H)X100(W)X38(D) Armature Plate : 32(H)X75(W)X52(D) Door Holder (included) 28(L)x100(W)x48(H)	Magnet : 28(H)X160(W) X17(D) Armature Plate : 28(H)X130(W) X8(D)	Magnet : 39(H)X166(W) X21(D) Armature Plate : 32(H)X130(W) X10(D)	AR-0600M Magnet : 51(H) x 250(W) x 27(D) Armature Plate : 40(H) x 186(W) x 16(D) AR-0600M-DB Magnet : 47(H)X502(W)X25(D) Armature Plate : 185(H)X38(W) X12(D)* 2units	Magnet : 51(H) x 250(W) x 27(D) Armature Plate : 40(H) x 186(W) x 16(D)	AR-1200M Magnet : 74(H)X266(W)X40(D) Armature Plate : 61(H)X185(W)X16(D) AR-1200M-DB Magnet : 74(H)X532(W)X40(D) Armature Plate : 61(H) x 185(W)x 16(D) * 2units	AR-0400WF Magnet : 35(H)X164(W)X26(D) Armature Plate : 32(H)X130(W)X10(D) AR-0400WS Magnet : 35(H)X164(W)X26(D) Armature Plate : 32(H)X130(W)X10(D)	AR-1500WF Magnet : 63(H)X203(W)X42(D) Armature Plate : 61(H)X185(W)X16(D) AR-1500WS Magnet : 65(H)X225(W)X42(D) Armature Plate : 61(H)X185(W)X16(D)		
Bracket Type		*Z&L Bracket Armature Plate Bracket (MA Bracket) U Bracket	L Bracket (included)	—	—	AR-0300MZL	AR-0600MZL	—	AR-1200MZL	AR-0400MZL	AR-1500MZL-WF AR-1500MZL-WS	
Electronic Magnetic Lock Net Weight (kg)		approx. 0.25kg	approx. 0.75kg	approx. 0.6kg	approx. 0.95kg	AR-0600M: approx. 1.2kg AR-0600M-DB:approx. 3.1kg	approx. 1.01kg	AR-1200M: approx. 3.2kg AR-1200M-DB: approx. 6.2kg	0400WF: approx. 0.90kg 0400WS: approx. 1.30kg	1500WF: approx. 3.10kg 1500WS: approx. 3.50kg		
Door Monitoring Output		NO			YES		YES		—			
LED indicator		NO						YES(All type)		—		
Igress Protection (IP)		—						—		IP66		
		Z&L Bracket				Armature Plate Bracket		U Bracket				
		AR-0300MZL	AR-0600MZL	AR-1200MZL	AR-0400MZL	AR-1500MZL-WF	AR-1500MZL-WS	AR-MA-46190	AR-1200M-MA	AR-0300M/0400M-U	AR-0600M-U	
Dimension (mm)		L Bracket : 43(H)x166(W)x29(D) Z Bracket : 43(H)x166(W)x43(D)	L Bracket : 50(H)x250(W)x33(D) Z Bracket : 50(H)x190(W)x50(D)	L Bracket : 75(H)x266(W)x48(D) Z Bracket : 72(H)x190(W)x72(D)	L Bracket : 43(H)x166(W)x33(D) Z Bracket : 43(H)x166(W)x100(D)	L Bracket : 69(H)x198(W)x43(D) Z Bracket : 66(H)x184(W)x66(D)	L Bracket : 72(H)x190(W)x144(D) Z Bracket : 78(H)x225(W)x48(D)	46(H)x190(W)x19.5(D)	67.5(H)x190(W)x21(D)	50(H)x110(W)x22(D)	50(H)x210(W)x22(D)	

- Features:**
Supports Egress button input
Supports security mode
Support 4 delay time: 0.1, 3, 6, 9 sec.
Easy Delay Time setting via DIP SW

- Specification :**
Frequency: DI 1
Power Supply: 12VDC
Current: 40mA
Output Contact: 1 Form C, 12A at 125VAC, 7A at 250VAC, 7A at 30VDC
Dimension(mm): 33.6(H)X47.8(W)X22.6(D)
Net Weight(g): approx. 40



Electric Strike / Cabinet Lock





- ▶ Locks are designed with Fail-Secure type for more secure and reliable; door will not be opened during power failure.
- ▶ Strike lock structure is all-metal design, safe and durable, suitable for conventional
- ▶ Metal coated cabinet lock design compact and sturdy, meet requirements for cabinet, storage, and any integrated applications that require electric lock.

	Electric Strike		Cabinet Lock	
	AR-YS-130NO 	AR-YS-131NO 	AR-1213P 	AR-1211P 
Lock Type	Fail Secure	Fail Secure	Fail Secure	Fail Secure
Holding Force	500kg	500kg	600-650gram	100kg
Operating Voltage	12VDC	12VDC	12VDC	12VDC
Current Draw	200mA	200mA	2A	1A
Housing Material	Zinc Alloy (Strike: Stainless Steel)	Painted Stainless Steel (Strike: Stainless Steel)	Black Painted Stainless Steel (Strike: Stainless Steel)	Stainless Steel
Solenoid test	1,000,000 times	1,000,000 times	Over 500,000 times	Over 100,000 times
Operating Temperature	-10°C ~ +55°C	-10°C ~ +55°C	-20°C ~ +55°C	-40°C ~ +55°C
Dimension (mm)	28(H)x149(W)x34(D)	25(H)x160(W)x31(D)	73(H)x14(W)x67(D)	41(H)x55(W)x28(D)
Net Weight(g)	approx. 280	approx. 240	approx. 185	approx. 150

Push Button

- ▶ Button type: Push button, Infrared touchless button.
- ▶ Panel type: stainless steel panel, plastic panel with scratch resistance
- ▶ Optional with LED: LED OFF or LED ON.
- ▶ Customizable logo with laser engraving on the stainless steel panel to enhance the overall image quality of the building or community.










	Full Stainless Steel Push Button				Stainless Steel Push Button (No Power Supply Needed)			Stainless Mounting Panel			
	Bi-color LED : 				* Available with Logo Customization 			Apply to Mini 101 Series (AR-101-H / AR-101-U / AR-101-PBI)			
	AR-PB2-041108 (Slim US Type)	AR-PB2-068108 (Rectangle US Type)	AR-PB2-072122 (Rectangle Wide US Type)	AR-PB2-086086 (Square EU Type)	AR-PB5-041108 (Slim US Type)	AR-PB5-068108 (Rectangle US Type)	AR-PB5-086086 (Square EU Type)	DMET-101PJ01 (Slim US Type)	DMET-101PJ02 (Rectangle US Type)	DMET-101PJ05 (Rectangle Wide US Type)	DMET-101PJ03 (Square EU Type)
Voltage	DC 12V (LED)				None			—			
Current	LED : 12VDC / 10mA				—			—			
Contact capacity	30VDC / 100mA				30VDC / 100mA			—			
Output contact	N.O. / N.C.				N.O.			—			
Dimension (mm)	108(H)x41(W)x4/15(D)	108(H)x68(W)x4/15(D)	122(H)x72(W)x4/15(D)	86(H)x86(W)x4/15(D)	108(H)x41(W)x2/13(D)	108(H)x68(W)x2/13(D)	86(H)x86(W)x2/13(D)	108(H)x41(W)x2(D)	108(H)x68(W)x2(D)	122(H)x72(W)x2(D)	86(H)x86(W)x2(D)

	Touch-less Infrared Sensor Push Button	Touch-less Infrared Sensor Push Button (Anti-Interference)		Touchless Infrared Button
	AR-101-PBI Bi-color LED : 	AR-101-PBI-S Bi-color LED : 	AR-101-PBI-L Bi-color LED : 	AR-888-PBI ●○ Bi-color LED : 
Active distance	5-20 cm	0.5-15cm	0.5-8cm	5-20 cm
Voltage	DC 9~24V	DC 9~24V	DC 9~24V	DC 9~15V
Current	DC 12V Standby: 35mA / Max. during activation: 65mA	DC 12V Standby: 35mA / Max. during activation: 65mA	DC 12V Standby: 30mA / Max. during activation: 75mA	DC 12V Standby: 35mA / Max. during activation: 65mA
Contact capacity	30VDC 1A / 125VAC 0.3A	30VDC 1A / 125VAC 0.3A	30VDC 1A / 125VAC 0.3A	30VDC 1A / 125VAC 0.3A
Output Contact	1 Form C (1A / VAC/VDC 30V)	1 Form C (1A / VAC/VDC 30V)	1 Form C (1A / VAC/VDC 30V)	1 Form C (1A / VAC/VDC 30V)
Dimension (mm)	37(H)x37(W)x31(D)	37(H)x37(W)x31(D)	39(H)x39(W)x29(D)	US :118(H)x81(W)x34(D) ; EU :88(H)x86(W)x34(D)
Others	physical push button	physical push button		—




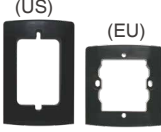



Peripherals / Accessories

- ▶ Modular and flexible design, applied for various fields.
- ▶ Economical choice, purchased according to actual needs on site.
- ▶ RFID module, applied for Parking lot management or the consumption management

Card / Keychain / Keyfob / Label Sticker

									
Thin Card	Thick Card	Round Keychain	Round Keychain (Small)	Square Keychain (Patent No. : D 125398)	Epoxy Keyfob	Prime Keyfob	Label Sticker	Master Card	
Dimension (mm)	54(H)X85.5(W)X1.8(D)	54(H)X85.5(W)X0.8(D)	38(H)X33(W)X4(D)	36.4(H)X30(W)X7.45(D)	47(H)X28(W)X5(D)	45(H)x22(W)X4(D)	50(H)x30(W)x1(D)	100(H)X25(W)x0.1(D)	54(H)X85.5(W)X0.8(D)

Frequency	Low Frequency		High Frequency			Ultra High Frequency	Dual Band	Master Card
	125kHz		13.56MHz			922-928MHz	125kHz+13.56MHz	13.56MHz
Compatible Standard	ISO18000-2		ISO 14443-A	ISO 15693	ISO 14443-A ISO 7816-4	ISO 18000-6B	ISO18000-2 ISO 14443-A	ISO 14443-A
Supported Tags	EM4001 and EM4095 compatible		Mifare (EV1, EV2,Classic, Mifare Pro,Ultralight)	ISO 15693	Desfire	EPC UHF Class 1 Gen 2	EM4001 and EM4095 compatible Mifare (EV1, EV2,Classic,Mifare Pro,Ultralight)	Mifare (EV1, EV2,Classic, Mifare Pro,Ultralight)
Identifiers	64bits	128bits	4byte / 7bytes	7bytes	7bytes	96bit(Thin Card) / 128bit(Label Sticker)	7bytes	4bytes / 7bytes
Printing Card Format	WG32	Manufacturing Serial Number & WG32	Manufacturing Serial Number & WG32	WG32 / HEX	Manufacturing Serial Number & WG32	TID,EPC	Manufacturing Serial Number & WG32	Manufacturing Serial Number & WG32
Functions	Read Only	Read and Write	Read and Write	Read and Write	Read and Write	TID: Read Only / EPC : Read and Write	Read and Write	Read and Write
Tags Selection	Thick Card : AR-TAGCT1R50F		Economical Chip			Thin Card : AR-TAGCIBW50F-MFb (7Byte HEX) AR-TAGCIBW50F-MF93 (7Byte WG32)		Thin Card : AR-TAGCIBW50F
	Thin Card : AR-TAGC1R50F		Thin Card (4Byte) : AR-TAGC13W50F-MF06			Thin Card : AR-TAGCIDW50F-DF28		
	Round Keychain : AR-TAGK31W20F		Square Keychain (4Byte) : AR-TAGK73W20F-MF06			Square Keychain : AR-TAGK7BW20F-MFb (7Byte HEX) AR-TAGK7BW20F-MF93 (7Byte WG32)		
	Square Keychain : AR-TAGK71R20F		Round Keychain (4Byte) : AR-TAGK33W20F-MF06			Round Keychain : AR-TAGK3DW20F-DF28		
			Round Keychain (Small) : AR-TAGK11R20F					
			Epoxy Keyfob (4Byte) : AR-TAGJ83W30F-MF06					
			Prime Keyfob (4Byte) : AR-TAGF73W40F-MF06					
								Thin Card : AR-TAGC13W50-MASTER

	Wiegand Keyboard			Mounting Base	Wall Mount Bracket	Mounting Base	
	AR-WG-KEYBOARD-V2 (DMOD-WGKBA04)	AR-WG-KEYBOARD-V2 (DMOD-WGKBA05)	AR-WG-KEYBOARD-V2-M (DMOD-WGKBA06)	MPLA-888XA19 (EU) MPLA-888XA18 (US)	AR-HT-98128	AR-701B-X	AR-701B-XX
							
Compatible Controller	AR-723-H	New AR-331-H with no keypad	AR-101-H / old version AR-331-H	AR-888 Series	321 Series / 327 Series / 725 Series / 888(US) Series / 757-H / 727-E / 721-H / 837-E	AR-401-IO-0808R-U2 / AR-401-IO-0016R / AR-716-E16 / AR-716-E02	AR-401-IO-1709R
Dimension (mm)	88(H)X60(W)X3.6(D)			US :119(H)X84(W)X10(D) EU :89(H)X88(W)X10(D)	136(H)X98(W)X15(D)	175(H)X109(W)X15.2(D)	225(H)X97(W)X44(D)

Dual Isolated Half-Duplex RS-485 Repeater

AR-485REP-V3



Features :

Multiple Isolated RS485 Repeater
The two sides of the communication and the power supply adopt triple-layer isolation design , which can provide RS485 clean transmission completely isolated from the system power supply

- 9-24VDC wide input, Triple-Zone DC/DC power isolation, built-in antisurge, static electricity, and lightning protection.
- The signal isolation strength of automatic direction detection can reach 3.0KV.
- Fully transparent data transmission; Support communication protocols such as MODBUS RTU and encrypted transmission.
- Industrial-grade RS-485 signal repeater and amplifier distance extender.

Operating Voltage	9-24V
rated power	0.4W (9V/46mA : 12V/34mA : 24V15mA)
Communication rate	300~11500 bps
Surge Protection	3KV
Responsibility	1-64 nodes
Communication distance	0-1000 meters(theoretical value)
Housing Material	ABS
Dimension (mm)	106.5(H)x66(W)x27.7(D)
Weight(g)	approx. 50
Operation Temperature	-20°C to +75°C

Door Sensor

AR-MS-101-A



Magnetic Door Sensor	NO
Sensing Distance	15MM - 25MM
Contact Capacity	1VA
Maximum Switching Voltage	24Vdc
Maximum Switch Current	0.1A
Maximum Powered Current	0.3A
Housing Material	ABS
Color	Beige
Dimension (mm)	12(H)X63.6(W)X14.5(D)

Reader Module

RS485 Reader Module
183U-Module



USB Reader Module
G3-Module



Power Supply	9-24VDC	5VDC
Power consumption	<1W	<1W
Frequency	13.56MHz	13.56MHz
Baud Rate	9600bps[N,8,1]	9600bps[N,8,1]
Communication Interface	RS-485	USB2.0 Virtual COM Port
Supported Tag	MIFARE	MIFARE
Standard	ISO14443A	ISO14443A
Indicator	4 LED & 1 Beeper	4 LED & 1 Beeper
I/O	DI x 1	DI x 2 / DO x 2
Dimension (mm)	58(H)X90(W)X20(D)	69(H)X39(W)X10(D) USB line length :100cm
Net Weight(g)	approx. 32	approx. 57

Module

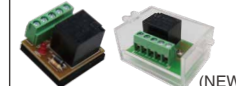
Mifare Module
RF13.56 Module-V2



Ethernet Module with Surge Protection
DMOD-NETMA



1 FORM C Relay Output Module
AR-821RB



1 FORM C Relay Output Module with Time Delay
AR-721RB



2 FORM C Relay Output Module
AR-829RB



Frequency	SPI	SPI	—	DI 1	—
Power Supply	3.3VDC	3.3VDC	12VDC	12VDC	12VDC
Power consumption	<0.1W	<0.5W	—	—	—
Current	—	—	20mA/40mA	40mA	40mA
Protocol	ISO 18092 ISO14443 A/B	IEEE 802. 3x	—	—	—
Output Contact	—	—	1 Form C, 12A at 125VAC, 7A at 250VAC,7A at 30VDC		2Form C 1A at 125VAC 2A at 24VAC
Dimension (mm)	30(H)X20(W)X10(D)	38.5(H)X20(W)X7(D)	20(H)X32(W)X29(D)	33.6(H)X47.8(W)X22.6(D)	55(H)X25(W)X17.5(D)
Net Weight(g)	approx. 14	approx. 20	approx. 20	approx. 40	approx. 30
Temperature	-20°C ~ +70°C				

Power Supply

Power Adaptor (EU)
BP-W12-1500-EO



Power Adaptor (US)
BP-W12-2000-US



Power Adaptor
BP-W15-2400-US (Included US Power Cord CA-AC2-US)
BP-W15-2400-EO (Included US Power Cord CA-AC2-EO)



Power Adaptor
BP-W15-3000



Voice Module

AR-721V



Wiegand Repeater

AR-WGREP



POE Module

AR-MDL-RJ45-POE-12V12W



RJ45 Connector



Features

1. Input :
100-240 VAC 50/60Hz
2. Output :
12VDC 1500mA

1. Input :
100~240V, 1.0A Max
2. Output:
12V, 2.0A

1. Input : 100~240VDC
2. Output: 15VDC, 2400mA

1. Input : 100/240VAC
2. Output: 15VDC, 3A

Compatible Controller :
AR-837-E / AR-837-EF
/ AR-727-E / AR-327-E

1. Enhance Wiegand
Output transmission
range
2. Support WG24 to
WG64

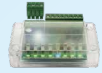
1. Support communication protocol:
IEEE802.3af compliant
2. Input voltage range: 36V to 57V
3. Output voltage: 12V /0.8A

Dimension(mm):
52(H)x14(W)x11(D)
Net Weight (g):
approx. 11

SOYAL Versatile Product Solution

Smart Locker & Mailbox Control

- Swipe RFID card to open mailbox & Indicator for Mailbox inside / open too long and
- abnormal event notification by E-mail
- Swipe RFID card to randomly choose vacant locker by checking locker status Indicator



Universal I/O
Mailbox Module
AR-403-IO



Mini RFID
Locker Controller
AR-101-H



Multi-Door Interlocking

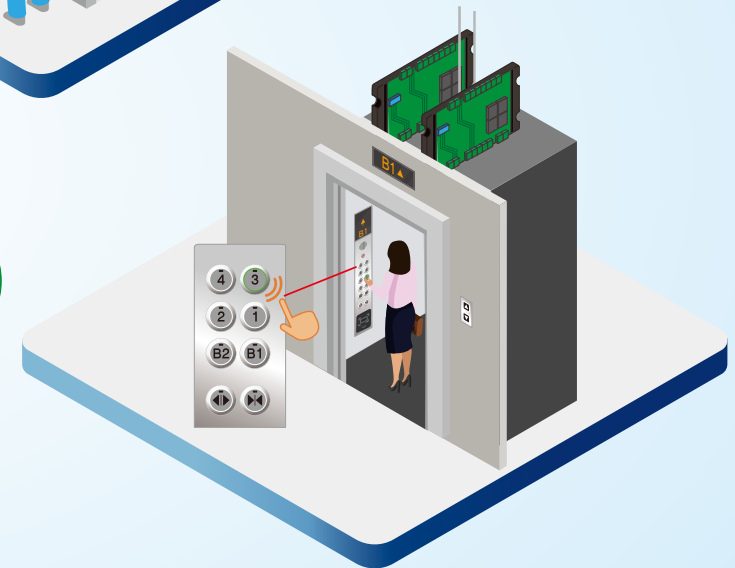
- Access credential RFID, face recognition, QR Code, and fingerprint
- Setting-free 2/4/8 doors interlocking for clean room and laboratory



2 doors interlocking
controller
AR-725-E



2/4/8 Doors Interlocking
Module built-in fire alarm
release all doors
AR-401-IO-0016R

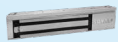


Smart Access Control System

- Works standalone with keyless editing feature and networking
- Seamless system scalability without hardware replacement



RFID Slim
Access Controller
AR-331-H



Magnetic
Door Lock
AR-0600M-270



Stainless Steel
Push Button
AR-PB2

Global Corporate Access Control System

- Centralized control system with max. 4064 nodes
- Multi-Client user operator in database mode, easy integration with third party integration such as visitor management and building management



Multi-door Networking
Control Panel
AR-716-E16



Multi-Function Graphic
Proximity Controller
AR-327-E



Multi Functional
Access Controller
AR-721-H

Contactless Anti-Epidemic Lift Control

- Lift floor access control and each user can only access the specified floors
- Contactless floor button replace traditional floor button to reduce infection risk



Lift
Controller
AR-401-IO-0016R



Lift Infrared
Touchless Button
AR-101-PBI-L

SOYAL Versatile Product Solution

Polling-Free Monitoring & Quick Alert Notification

- Real-time monitoring status suitable for home monitoring solution
- Auto Alert notification to act fast during abnormal situation



Polling-Free & Quick Alert Notification
Serial Devices Server with I/O
AR-727-CM-IO-0804M

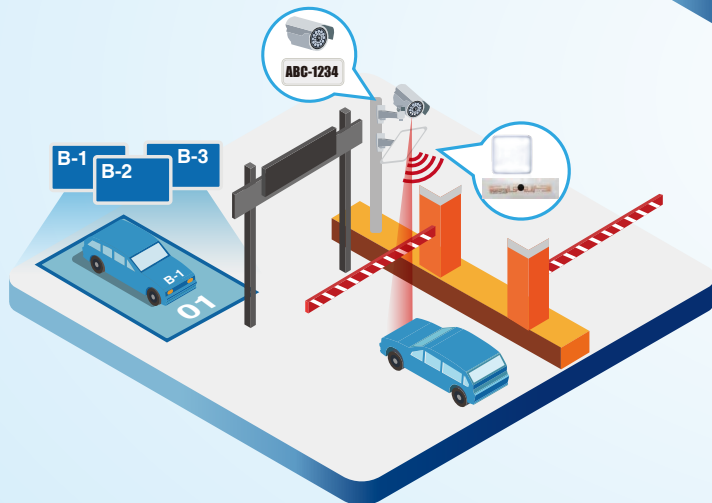


Fire Alarm Auto Open Doors

- Built-in fire alarm signal input and auto open all or designated doors
- Door controllers can be communicated via RS485 or UDP Broadcast



Fire Alarm Server / Modbus Gateway
AR-727-CM-IO-0804M



Smart Parking Lot Management

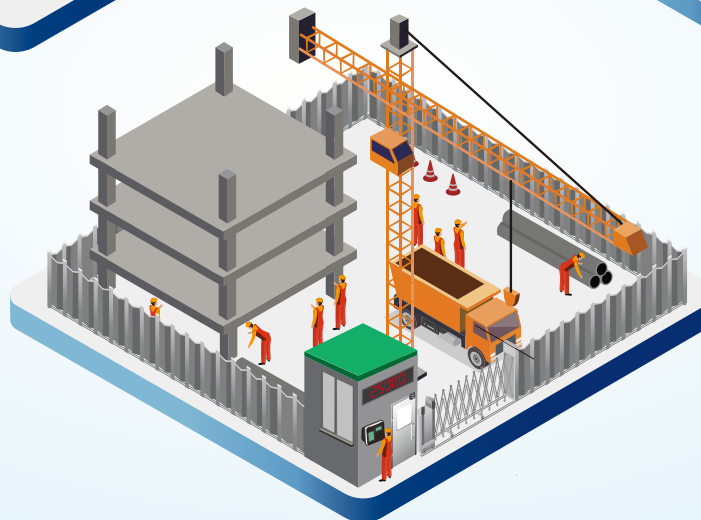
- Dual-Identification UHF & Integrated ANPR
- Shared Parking Space Solution



Shared Parking Space
Controller
AR-716-E16



UHF Long Range Reader
AR-661-UG



Site Management & Limited Space Control

- Maintain safety by limiting number of people on site at the same time
- Show number of people on-site via LED display board and alarming when on-site remain unclear during roll call



Crowd Control Board
AR-716-E16



Entry Access Controller
with face recognition
AR-837-EA



SCADA Monitor & Remote Door Control

- Real time monitor all access door / escape door / public door status
- Remote open door and alarm event notice in smart building



Network Monitor Server /
Modbus Gateway
AR-401-IO-0808R-U2



Escape Door I/O Module
AR-401-IO-1709R

SOYAL Versatile Product Solution



Supervisory Control And Data Acquisition System (SCADA)



Access Control User Interface and Graphic Animation Control Software



Access Control Configuration and Communication Gateway Software



LPR License Plate Recognition



On-Site Crowd Control and Reporting

SOYAL-LINK

Direct TCP/IP

TCP/IP
Modbus

Json
JSON

XML
XML

Third Party Software and User Interface

TCP/IP
I/O Module

AR-401-IO-0808R-U2

RS485
I/O Module

AR-403-IO

AR-401-IO-0016R

AR-401-IO-1709R

IP-Based & RS485 Proximity Access Controller with Network Redundancy

User Capacity : 16,000~65,000 | Host: TCP/IP&RS485 : Extension: Wiegand / UART | RFID Frequency: 125KHz / 13.56MHz / 125KHz+13.56MHz

AR-837-EL
QR Code

AR-837-EF9DO
Face Recognition

AR-837-W
Card Energy Saver

AR-837-EF9DO
Fingerprint

AR-331-EF3DO
Fingerprint

AR-725-E AR-837-ER AR-837-E AR-327-E AR-727-E

AR-716-E16
RS485 X 2 for Failback Mode
Backup Controller

IR Sensor

AR-101-PBI

AR-888-PBI AR-101-PBI-L

Programmer

AR-725-P

AR-837-P

RS485 Access Controller

User Capacity : 1,024~3,000 | Host : RS485 : Extension: Wiegand | RFID Frequency: 125KHz / 13.56MHz

AR-716-E02
Built-in 2 WG

AR-101-H AR-723-H AR-331-H

AR-888-W AR-888-H AR-725-H AR-321-H AR-721-H

Card Energy Saver

To host

Push Button

AR-PB5 AR-PB2 AR-PB5

Electric Lock

AR-1207A/B-29/36
AR-0600M AR-323-D

Proximity Reader(Wiegand Output 20~64 Bits)

Host : Wiegand | RFID Frequency: 125KHz / 13.56MHz / 125KHz+13.56MHz

AR-101-H AR-723-U AR-331-U

AR-888-UL
QR Code

(EU) (US)

AR-888-U (EU) (US)
AR-888-K

AR-725-U AR-321-U AR-721-K



More Product