Multi-door Networking Controller

Absolute solution to the multi-door control

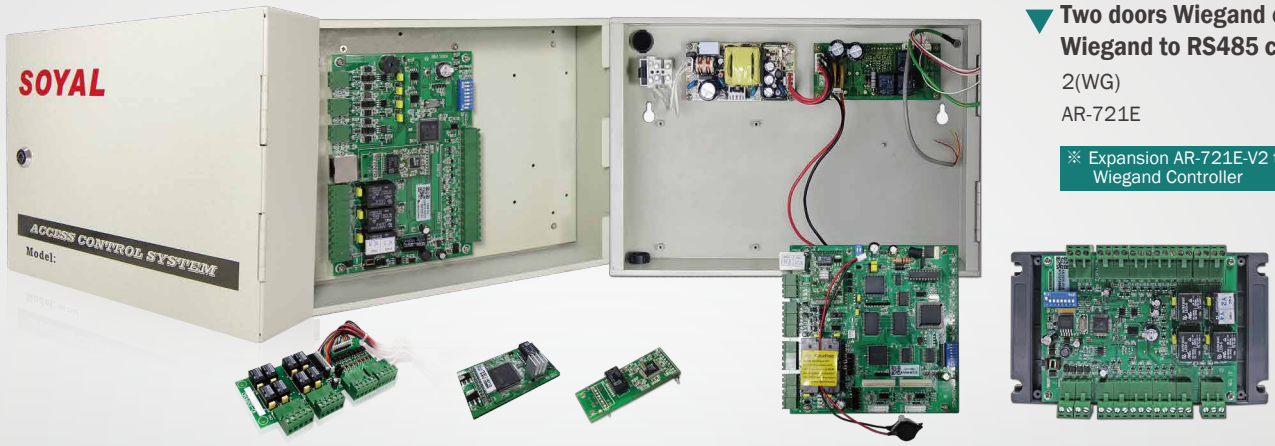
▼ **Multi-door networking controller(14+2)**
16(RS485) or 14(RS485)+2(WG)
AR-721Ei-V2

※ Support Communication Redundancy on Host Port
※ Integrate AR-721E can supports upto 32 wiegand reader

▼ **Uninterruptible Power Supply**
AR-716E-TC-P

▼ **Two doors Wiegand controller / Wiegand to RS485 converter**
2(WG)
AR-721E

※ Expansion AR-721E-V2 to 32 Wiegand Controller



▲ **Extension relay board**
AR-716E-IO

▲ **Serial-to-Ethernet Networking Module**
AR-727iV3 / DMOD-NETMA02

▲ **Multi-door networking controller (16+2)**
16(RS485)+2(WG)
AR-716E

Multi-door Anti-Pass back

It is capable of accomplishing up to 16 Entry & Exit management for a Large Parking Lot site.

Multiple LED indicator

Built-in Power and Data Transmission LED indicators easily for Debug and status check.

Release All Door Locks in Fire event

Built-in DI Fire alarm contact that can be connected with fire alarm input detector; All door locks can be released in case of Fire or emergency accident occurs.

Data Redundancy

All user data can be stored both on memory of multi-door controller and on each RS485 slave reader; once any readers are disconnected with controller, the user can still get access freely.

Communication Redundancy

Ethernet
RS-485

Support Dual Communication interface RS485 and TCP/IP; while one of interface is failed, another interface can be worked as backup to make the system running.

Send message to Remote Server via Browser

All parameters, user data can be managed by IP browser without software installation in PC; two Message Listening Ports can actively send out Event Logs to assigned Server for other security system such as CCTV, Fire Alarm to integrate.
(only available for AR-721Ei-V2)

Multi-door networking controller / Two doors Wiegand controller /Wiegand to RS485 converter/ Uninterruptible Power Supply / Serial-to-Ethernet Networking Module / Extension relay board

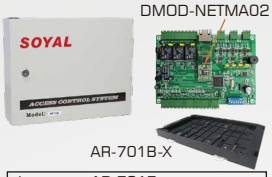
AR-716E / AR-721Ei-V2 / AR-721E/ AR-716-TC-P/AR-727iV3 / DMOD-NETMA02 / AR-716E-IO

Multi-door networking controller (16+2)

AR-716E

Multi-door networking controller (14+2)

AR-721Ei-V2



Integrate AR-721E can supports upto 32 wiegand readers

Two doors Wiegand controller / Wiegand to RS485 converter

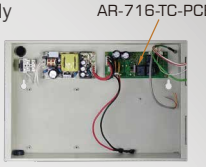
AR-721E

Expansion AR-721E-V2 to 32 Wiegand Controller

			AR-716E	AR-721Ei-V2	AR-721E
User capacity			15,000	16,000 / 32,000 / 65,000	3,000
Event Log			11,000	32,000	1456(Extensible)
Power Supply			9-24VD	9-24VDC	9-24VDC
Power Consumption			<2.5W	< 3W	< 3W
Interface	Host		Host Node 1~254	Host Node 1-254	Host Node 1-128
		RS-485	9600bps(N,8,1)	9600bps(N,8,1)	9600bps(N,8,1)
		Ethernet	10/100M Base T	10/100M Base T	------
	Slave	CH1 (RS-485)	8 Readers	6 or 8 Readers	------
		CH2 (RS-485)	8 Readers	8 Readers	------
		WG	2 Readers	2 Readers	2 Readers
Temperature			-20℃ to +6 0℃	-20℃ to +60 ℃	-20 ℃ to +60 ℃
Digital Input			4+8 (AR-716-IO) Egress(R.T.E.)/Door Contact / Fire Alarm	2 Egress(R.T.E.) / 2 Door contact / 1 Fire Alarm	2 Egress(R.T.E.) / 2 Door contact / 2 Forced Open / 2 Reserved DI
Output			Alarm Relay / Lock Relay 4+8 (AR-716-IO)	1 Alarm Relay 2 Lock Relay	1 Alarm Relay / 2 Lock Relay 1 Reserved Relay / 2 Reserved DO
Redundancy			------	Host Port	------
Anti-pass-back			16 Doors	16 Doors	2 Doors
Door Group			255	Yes	Yes
Time Zone			63	63	63
Dimension(mm)	Metal Box		180(L)X231(W)X62(H)	Metal Box 180(L)X231(W)X62(H)	Metal Box 180(L)X231(W)X62(H)
	PCB		150(L)X163(W)X20(H)	Panel Mounting Base 130(L)X175(W)X32(H)	Panel Mounting Base 130(L)X175(W)X32(H)
				PCB 110(L)X132(W)X20(H)	PCB 110(L)X147(W)X20(H)
Weight(g)	Metal Box		1,840±10	Metal Box 1,754±10	Metal Box 1,754±10
	PCB		250±10	Panel Mounting Base 244±10	Panel Mounting Base 255±10
				PCB 164±10	PCB 175±10
Housing Material			Metal	Metal/ ABS	Metal/ ABS
Support PSU (with additional AR-716-TC-P)			✓	✓	✓

Uninterruptible Power Supply

AR-716-TC-P



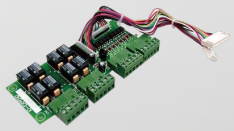
Input Voltage	13.8~15VDC
Output Voltage	When source from External PSU (Power Supply Unit: 12~15VDC), Output voltage is the same as input voltage. When source from Back-up Battery (9~12VDC), Output voltage is thesame as battery voltage.
Output Current	3A max
Relay output	2 From C, 10A/250VAC / 12A / 28VDC
Relay control	Low trigger (trigger device must have 25V/25mA puncture capability).
Others	With additional Back-Up Battery supports Uninterruptible Power Supply (UPS) feature.

Serial-to-Ethernet Networking Module

	AR-727iV3	DMOD-NETMA02
Interface	10/100M Base T Ehernet ⟷ UART(TTL)	10/100M Base T Ehernet ⟷ SPI
Baud Rate	4800bps-115200bps	10Mbps
Power Supply	5VDC	3.3VDC
Weight(g)	15±5	5±5
Dimension(mm)	45(L)X28(W)X14(H)	47(L)X20(W)X15(H)
Protocol	ARP,IP,TCP Client, UDP,ICMP,HTTP,DHCP,NetBIOS	
Extra support	AUTO MDI/MDIX	
Power consumption	<0.5W	
Temperature	-20 ℃ to +60 ℃	

Extension Relay Board

AR-716E-IO



- An extension relay board for AR-716E.
- 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.

Product Structure