AR-716 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-716-E16

※ Support Communication Redundancy on Host Port
※ Integrate AR-716-E02 can supports upto 32 wiegand readers

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

▼ **Two doors Wiegand controller / Wiegand to RS485 converter**
2(WG)
AR-716-E02

※ Expansion AR-716-E16 to 32 Wiegand Controller

▲ **Extension relay board**
AR-716-E-8I8O

▲ **Serial-to-Ethernet Networking Module**
AR-727i / DMOD-NETMA

▲ **Multi-door networking controller (16+2)**
16(RS485)+2(WG)
AR-716-E18

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

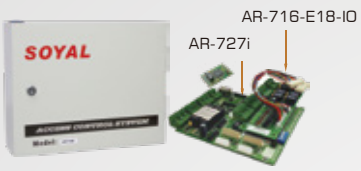
All parameters, user data can be managed by IP browser without software installation in PC; two Message Listening Ports can actively send out Event Logs to assigned Server for other security system such as CCTV, Fire Alarm to integrate.
(only available for AR-716-E16)

AR-716 Multi-door Networking Controller

Absolute solution to the multi-door control

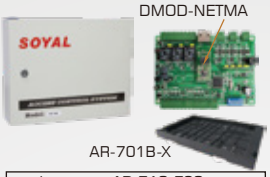
Multi-door networking controller (16+2)

AR-716-E18



Multi-door networking controller (14+2)

AR-716-E16



Integrate AR-716-E02 can supports upto 32 wiegand readers

Two doors Wiegand controller / Wiegand to RS485 converter

AR-716-E02

Expansion AR-716-E16 to 32 Wiegand Controller

			AR-716-E18	AR-716-E16	AR-716-E02
User capacity			15,000	16,000(Default value) / 32,000 / 65,000	3,071
Event Log			11,000	32,000	1456(Extensible)
Power Supply			9-24VD	9-24VDC	9-24VDC
Power Consumption			<2.5W	< 3W	< 2W
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	8 Readers (Node ID 1, 2 and WG Port 0, 1 share the same Door Number)	------
		CH2 (RS-485)	8 Readers	8 Readers	------
		WG	2 Readers	2 Readers (WG Port 0, 1 and Node ID 1, 2 share the same Door Number)	2 Readers
Temperature			-20℃ to +7 0℃	-20℃ to +70 ℃	-20 ℃ to +70 ℃
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)
				Panel Mounting Base 103(L)X175(W)X32(H)	Panel Mounting Base 103(L)X175(W)X32(H)
	PCB		150(L)X163(W)X20(H)	PCB 100(L)X147(W)X20(H)	PCB 100(L)X132(W)X20(H)
Weight(g)	Metal Box		approx 1,840	Metal Box approx. 1,754	Metal Box approx. 1,765
				Panel Mounting Base approx. 244	Panel Mounting Base approx. 255
	PCB		approx. 250	PCB approx. 164	PCB approx. 175
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).
Relay output	AC90-264V/47~440HZ
Power output	35W(max)
Dimension (mm)	210(H)x320(W)x80(D)
Net Weight (g)	approx. 2.41

Serial-to-Ethernet Networking Module

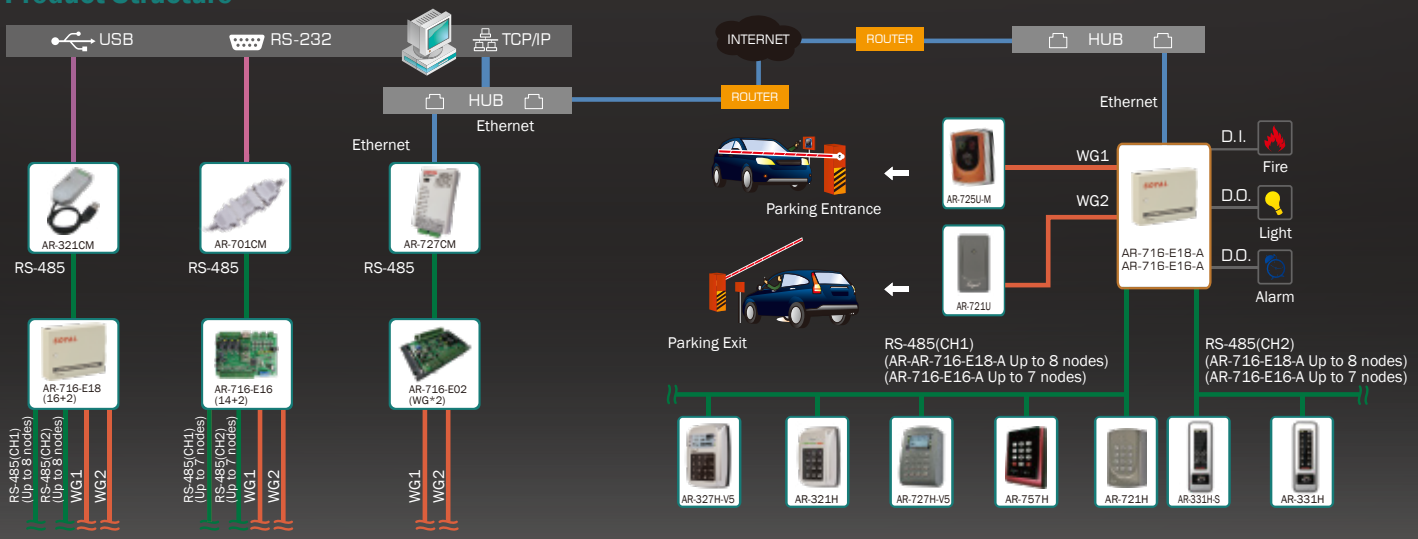
	AR-727i	DMOD-NETMA
Interface	10/100M Base T Ehernet ⟷ UART(TTL)	10/100M Base T Ehernet ⟷ SPI
Baud Rate	4800bps-115200bps	
Power Supply	5VDC	3.3VDC
Weight(g)	approx. 15	appro x.5
Dimension(mm)	45(L)X28(W)X14(H)	47(L)X20(W)X15(H)
Protocol	ARP,IP,TCP Client, UDP,ICMP,HTTP,DHCP,NetBIOS,SNMP V1,V2,V3	
Extra support	AUTO MDI/MDIX	------
Power consumption	<0.5W	<0.2W
Temperature	-20 ˚C to +70 ˚C	

Extension Relay Board

AR-716-E-8I8O

- 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



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