

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-8180

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.



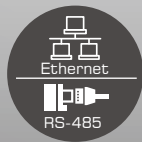
Release All Door Locks in Fire event

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

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)



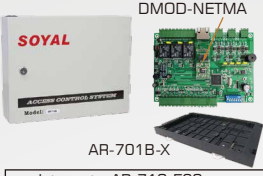
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Multi-door networking controller (16+2)
AR-716-E18



Multi-door networking controller (14+2)
AR-716-E16



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Two doors Wiegand controller / Wiegand to RS485 converter
AR-716-E02



Expansion AR-716-E16 to 32 Wiegand Controller

Uninterruptible Power Supply
AR-716-TC-P

AR-716-TC-PCB



User capacity	15,000	16,000 / 32,000 / 65,000	3,000	
Event Log	11,000	32,000	1456(Extensible)	
Power Supply	9-24VDC	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)
	Slave	Ethernet 10/100M Base T	10/100M Base T	---
		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°C to +60 °C	-20°C to +60 °C	-20 °C to +60 °C	
Digital Input	4+8 (AR-716-I0) 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-I0)	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)	
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)	✓	✓	✓	

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 From C, 10A/250VAC / 12A / 28VDC
Relay control	Low trigger (trigger device must have 25V/25mA puncture capability). With additional Back-Up Battery supports Uninterruptible Power Supply (UPS) feature.
Others	

Serial-to-Ethernet Networking Module

AR-727i



DMOD-NETMA



Interface	10/100M Base T Ethernet ↔ UART(TTL)	10/100M Base T Ethernet ↔ 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 °C to +60 °C	

Extension Relay Board
AR-716-E-8I80



- 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

