

Multi-door Controller

Gives the complete solutions with effective control for any site

AR-716E /
AR-716Ei

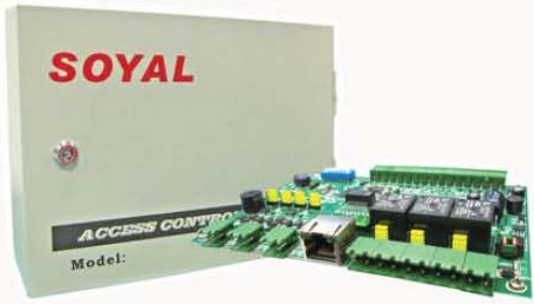
RS-485 or TCP/IP



AR-721E-V2 /
AR-721Ei-V2

RS-485

Redundancy: RS-485 & TCP/IP



AR-721E
RS-485

Communication

716E/Ei: Max. 3 Ports
721E/Ei-V2 (Redundancy):
Max. 4 Ports
721E: Max. 1 Port

User Capacity

716E: 16,000
(Optional: 65,000)
721E-V2: 16,000人
(Optional: 32,000 / 65,000)
721E: 3,000

63 Time Zones can be set up
holidays and levels, and
combine with zones

Multi-Door Networking Controller

16+2
Doors
716E

14+2
Doors
721E-V2

WG*2
Doors
721E

Event Log

716E: 11,000
(Optional: 4000)
721E-V2: 32,000
721E: 1,400

Data and timer can be kept
for 60 days after power down

Standalone & Networking
automatically transform



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Multi-Door

Multi-Door Networking Controller

AR-716E/Ei / AR-721E/Ei-V2 / AR-721E

Multi-Door (16+2)
Networking Controller
AR-716E/Ei



Multi-Door (14+2)
Networking Controller
AR-721E/Ei-V2



Multi-Door (2+2)
Networking Controller
AR-721E



Power Management
Board
AR-716-TC



User Capacity	15,000	Standard 16000 Option 32000 / 65000	3,000
Event log	11,000	32000	1456 (Extensible)
Power Supply	15-24VDC	12-24VDC	12-24VDC
Power consumption	<2.5W	< 3W	< 3W
Interface	Host Node 1-254	Host Node 1-254	Host Node 1-128
	RS-485 (AR-716E) 9600bps(N,8,1) Ethernet (AR-716Ei) 10 / 100M Base T	RS-485 (AR-721E-V2) 9600bps(N,8,1) Ethernet (AR-721E-V2) 10 / 100M Base T	RS-485 9600bps(N,8,1)
	CH (Slave): 16+2 Nodes	CH(Slave): 14+2 Nodes	CH(Slave): 2 Nodes
	RS-485 8 (CH1) + 8 (CH2) WG 1 (WG1) + 1 (WG2)	RS-485 6 (CH1) + 8 (CH2) WG 1 (WG1) + 1 (WG2)	WG 1 (WG1) + 1 (WG2)
Temperature	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
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
External Port	2*RS-485 2*WG	2*RS-485 2*WG	2*WG
External RS-485 Reader	16	14	—
External WG Reader	2	2	2
Anti-Pass-Back	Yes	Yes	Yes
Door Group	255	255	255
Time Zone	63	63	63
Dimension (mm)	Metal Box 180(L)X231(W)X62(H)	Metal Box 180(L)X231(W)X62(H) Panel Mounting Base 130(L)X175(W)X32(H)	Panel Mounting Base 130(L)X175(W)X32(H)
	PCB 150(L)X163(W)X20(H)	PCB 110(L)X132(W)X20(H)	PCB 110(L)X147(W)X20(H)
	Metal Box 1,840±10 PCB 250±10	Metal Box 1,754±10 Panel Mounting Base 244±10 PCB 164±10	Panel Mounting Base 255±10 PCB 175±10
Housing Material	Metal	Metal / ABS	ABS
Others	UPS connectable	UPS connectable with 716-TC	UPS connectable with 716-TC

Input Voltage	13.8-15 VDC
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).

Serial-to-Ethernet
Networking Module
AR-727iV3
AR-721i



Interface	AR-727i-V3	1Q/100M Base T Ethernet ↔ UART(ITU)
	AR-721i	1Q/100M Base T Ethernet ↔ SPI
Baud Rate	AR-727i-V3	4800bps-115200bps
	AR-721i	10Mbps
Power Supply	AR-727i-V3	5VDC
	AR-721i	3.3VDC
Weight(g)	AR-727i-V3	15±5
	AR-721i	5±5
Temperature	AR-727i-V3	45(L)X28(W)X14(H)
	AR-721i	47(L)X20(W)X15(H)
Protocol	ARP, IP, TCP Client, UDP, ICMP, HTTP, DHCP, NetBIOS, SNMP v1,v2,v3	
Dimension(mm)	AUTO MDI/MDX	
Power consumption	<0.5W	
Miscellaneous	-20°C to +60°C	

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 ID 1, 2, 3, 4, 9, 10, 11 and 12.
- * 8 relay outputs of Form C, replacing the door relays of door node ID 1, 2, 3, 4, 9, 10, 11 and 12.
- * Door open time can be set by software.

Structure

