

Converter/Server

Serial-to-Ethernet Networking Server AR-727CM AR-727CM-IO



Isolated RS-232 / RS-485 Converter AR-701CM



Isolated USB / RS-485 Converter AR-321CM



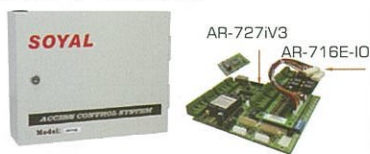
TTL / RS-485 Converter AR-321L485



Interface	10/100M Base T Ethernet → RS-232/RS-485(CM) 10/100M Base T Ethernet → RS-485(CM-IO)	RS-232 → RS-485	USB → RS-485	TTL → RS-485
Power Supply	9-16VDC	9-16VDC	5VDC	9-16VDC (321L485) / 5VDC (725L485)
Baud Rate	4800 bps-115200 bps	4800 bps-115200 bps	4800 bps-115200 bps	4800 bps-115200 bps
Power consumption	<2W	<1W	<1W	<1W
Operating Temperature	-20°C to +60 °C	-20°C to +60 °C	-20°C to +60 °C	-20°C to +60 °C
Active Distance	50m (RS-232) / 300m (RS-485)	2m(RS-232) / 300m (RS-485)	300m (RS-485)	300m (RS-485)
Protocol	TCP,UDP,DHCP,IGMP V2,SNMP v1,v2,v3,ARP	—	—	—
Surge Protection	—	2kV	—	—
Optical Isolation	16 kV ESD	8 kV ESD	3 kV	—
Electrical Isolation	—	—	2500V _{RMS}	—
Dimension(mm)	106.5(L)X66(W)X27.7(H)	64(L)X55(W)X16(H)	79(L)X37(W)X16.4(H)	52(L)X14(W)X11(H)
Weight(g)	86±5	40±5	50±5	14
I/O	1 Relay output+3DD+4DI (727CM-IO)	—	—	—
	<ul style="list-style-type: none"> Connect to network directly without PC. The serial ports include RS-485 and RS-232. Able to link readers and PC to achieve Networking Access Control. The Ethernet supports: ARP,IP,TCP,UDP,ICMP,HTTP,DHCP,Net BIOS,SNMP v1,v2,v3 Indicators for power and communication, for debugging and showing status. Surge protection: 16 kV 	<ul style="list-style-type: none"> Data transmission direction auto control. Able to link readers and PC to achieve Networking Access Control. Indicators for power and communication, for debugging and status. Surge protection: 16 kV Optical isolation protection: 2 kV 	<ul style="list-style-type: none"> The serial TTL signal can be converted to RS-485 signals. Expand card machine peripherals, such as CG or floor controller. AR-725L485 applies to <ul style="list-style-type: none"> AR-725E-V2 AR-727H-V5 AR-829E-V5 	

Multi-Door Networking Controller

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 RS-485 (AR-716E) Ethernet (AR-716E)	Host Node 1-254 RS-485 (AR-721E-V2) Ethernet (AR-721E-V2)	Host Node 1-128 RS-485 Ethernet (AR-721E)
	CH (Slave): 16+2 Nodes	CH (Slave): 14+2 Nodes	CH (Slave): 2 Nodes
	RS-485 2 Port / 8 units per port WG 2 Port / 1 unit per port	RS-485 2 Port / 7 unit per port WG 2 Port / 1 unit per port	WG 2 Port / 1 unit per port
	Temperature	-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	2	—
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) PCB 150(L)X163(W)X20(H)	Metal Box 180(L)X231(W)X62(H) Panel Mounting Base 130(L)X175(W)X32(H) PCB 110(L)X132(W)X20(H)	Panel Mounting Base 130(L)X175(W)X32(H) PCB 110(L)X147(W)X20(H)
	Weight(g)	Metal Box 1,840±10 PCB 250±10	Metal Box 1,754±10 Panel Mounting Base 244±10 PCB 164±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



Interface	10/100M Base T Ethernet → UART(TTL)
Baud Rate	4800bps-115200bps
Power Supply	5VDC
Power consumption	<0.5W
Temperature	-20°C to +60 °C
Protocol	ARP, IP, TCP Client, UDP, ICMP, HTTP, DHCP, NetBIOS, SNMP v1,v2,v3
Dimension(mm)	45(L)X28(W)X14(H)
Weight(g)	15±5
Miscellaneous	AUTO MDI/MDIX

- Built-in 10/100M bps Ethernet and TTL interfaces. Supporting ARP,IP,TCP,UDP,ICMP,HTTP,DHCP,Net BIOS,SNMP v1,v2,v3 protocol.
- Provide easy-to-set IP setting, with DHCP/IP switching function, for setting IP parameters remotely or by serial port.
- With its compact size, it can be operated as an intelligent communication IC to be installed onto AR-716E. Built-in Ethernet interface component only need an external RJ-45 to connect with Ethernet.

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.