

# Converter/Server

## USB/RS-232/Ethernet/TTL → RS-485

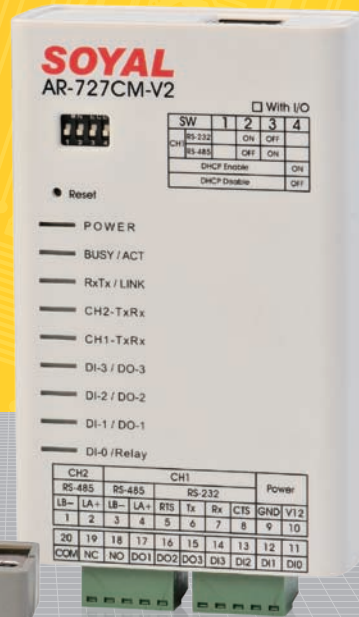
Isolated USB/RS-485  
Converter

**AR-321CM**



Serial-to-Ethernet  
Networking Server

**AR-727CM**



TTL/RS-485 Converter

**AR-321L485**



Isolated RS-232/RS-485  
Converter

**AR-701CM**

TTL/RS-485 Converter

**AR-321DAX1**



## Features

### AR-321CM

#### Isolated USB/RS-485 Converter

- Able to link readers and PC to achieve Networking Access Control
- Indicators for power and communication, for debugging and status
- Surge protection: 3 kV
- Electrical isolation: 2500V<sub>RMS</sub>

### AR-727CM

#### Serial-to-Ethernet Networking Server

- Controller connect directly to the networking, does not require conversion by the computer
- The serial ports include RS-485 and RS-232
- Able to link readers and PC to achieve Networking Access Control
- Network Protocols: ARP/ IP/ TCP Client/ UDP/ ICMP/ HTTP/ DHCP/ NetBIOS/ SNMP v1, v2, v3
- Indicators for power and communication, for debugging and status
- Surge protection: 16 kV

### AR-701CM

#### Isolated RS-232/RS-485 Converter

- 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: 8 kV
- Optical isolation protection: 2 kV

### AR-321L485

#### TTL/RS-485 Converter

- Extension of readers, for display, lift control (AR-401R016B) and so

### AR-321DAX1

#### TTL/RS-485 Converter

- Suitable for induction electronic door locks (AR-323D) networking function

**SOYAL**<sup>®</sup>

ACCESS CONTROL SYSTEM

RFID solutions · Proximity & Smart cards · Hardware & Software OEM/ODM Service

RoHS Compliant SOR FC CE MA

# Converter/Server AR-321CM / AR-727CM / AR-701CM AR-321L485 / AR-321DAX1



## Specification

Isolated USB/RS-485  
Converter

### AR-321CM



Interface	USB → RS-485
Power Supply	5VDC (Only)
Baud Rate	4800 bps-115200 bps
Power Consumption	<1W
Temperature	-20°C to +50°C
Active Distance	300m(RS-485)
Optical Isolation	3 KV
Electrical Isolation	2500VRMS
Dimension(mm)	79(L)X37(W)X16.4(H)
Weight(g)	50±5

Serial-to-Ethernet  
Networking Server

### AR-727CM



Interface	10/100M Base T Ethernet → RS-232/RS-485
Power Supply	9-16VDC
Baud Rate	4800 bps-115200 bps
Power Consumption	<2W
Temperature	-20°C to +50°C
Active Distance	2m(RS-232) / 300m(RS-485)
Protocol	TCP/UDP, DHCP, IGMP V2, SNMP v1,v2,v3, ARP
Optical Isolation	16 KV
Dimension(mm)	106.5(L)X66(W)X27.7(H)
Weight(g)	86±5

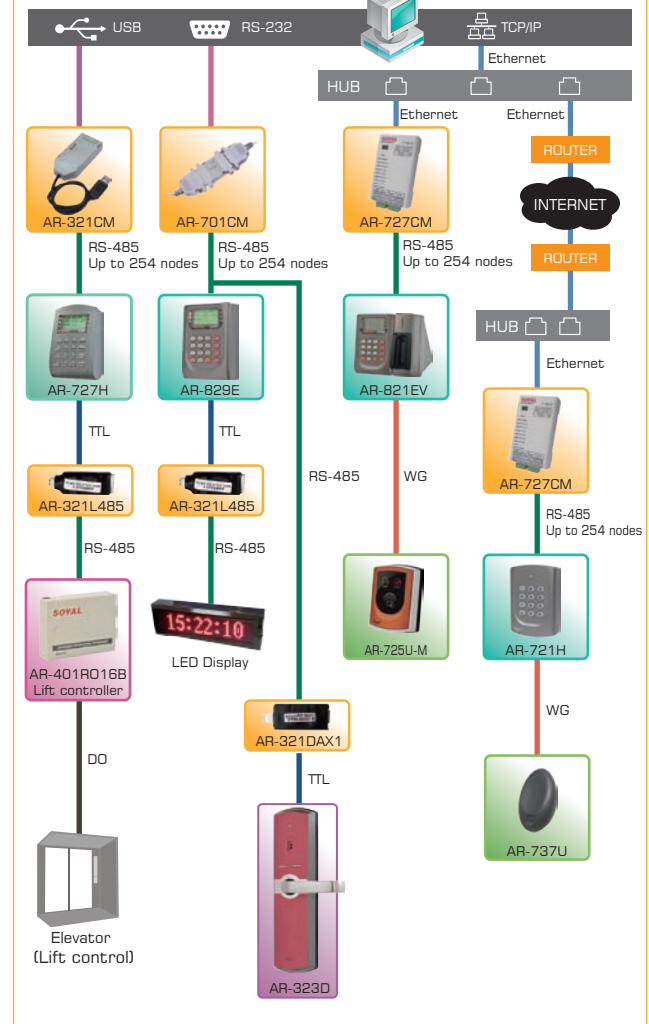
Isolated RS-232/RS-485  
Converter

### AR-701CM



Interface	RS-232 → RS-485
Power Supply	9-16VDC
Baud Rate	4800 bps-115200 bps
Power Consumption	<1W
Temperature	-20°C to +50°C
Active Distance	2m(RS-232)/300m(RS-485)
Protocol	2kV
Optical Isolation	8kV ESD
Dimension(mm)	64(L)X55(W)X16(H)
Weight(g)	40±5

## Structure



TTL/ RS-485 Converter  
AR-321L485  
AR-321DAX1



Interface	TTL → RS-485
Power Supply	9-16VDC
Baud Rate	4800 bps-115200 bps
Power Consumption	<1W
Temperature	-20°C to +50°C
Active Distance	300m(RS-485)
Dimension(mm)	AR-321L485:52(L)X14(W)X11(H) AR-321DAX1:44(L)X21(W)X11.3(H)
Weight(g)	14±5