

Multi-Door Networking Controller

TCP/IP Networking

AR-716E-V4 / AR-716-TC

Power Management Board



This product does not include batteries. Pictures are just for reference

Features

- Built-in switching type power supply with battery charging function. Just add batteries to be an UPS (12V/7AH)
- Supports Wiegand and RS-485 reader interfaces, for 16+4 door control (two RS-485 ports for 16 RS-485 readers; four WG ports for 4 WG readers)
- Supports up to 16,000 card holders. Able to set alone or on network. Up to 30,000 event logs saved when it is offline from the network
- 32 bits ARM processor and built-in 10/100M Ethernet interface

- Sufficient I/O: 4 relay outputs and 8 DI inputs are able to be programmed for Door Open, Alarm, Door Status Detection and so
- External indicators on the panel to identify the operation status without opening the panel
- Built-in Watchdog, self-detection, to avoid crash

AR-716-TC

- A power management with output ripple elimination for low ripple output
- Low voltage protection, to avoid output voltage lower than 9V, to protect external devices
- Two sets of assistant low trigger relays for external small signal control

SOYAL[®]
ACCESS CONTROL SYSTEM

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



Multi-Door Networking Controller

AR-716E-V4 / AR-716-TC

Power Management Board

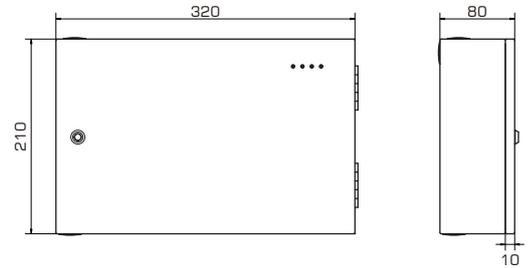


Specification

AR-716E-V4 (main board)

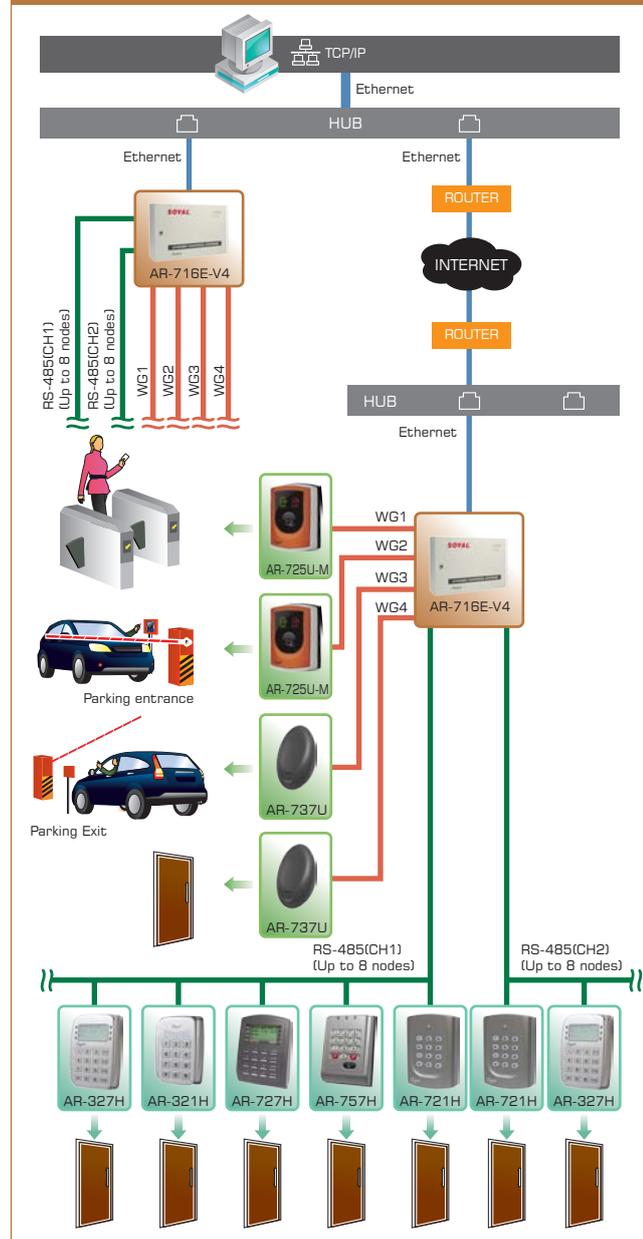


Dimension(mm)



User Capacity	16,000
Event Log	30,000
Power Supply	9-24VDC
Power Consumption	<3W
Interface	Host Channel: Ethernet 10/100M Base T
	RS-485 Reader X 2 Ports WG Reader X 4 Ports
Operating Temperature	-20 °C to +75 °C
Digital Input	4 Door Open buttons/4 Door Sensors
Replay Output	4 Door Relays
Transistor Output	Open Collector x 2
External RS-485 Reader	16
External WG Reader	4
Anti-Pass-Back	Yes
Door Group	Support (Unlimited by Group)
Time Zone	63
Dimension(mm)	210(L)X320(W)X80(H)
Weight(g)	2,500±10 (None Battery)
Material	Metal
Miscellaneous	Provide UPS (AR-716-TC)

Structure



Power Management Board AR-716-TC



Input Voltage	DC 13.8 ~ 15 V
Output Voltage	When power is from External PSU (Power Supply Unit: 12~15VDC), Output voltage is the same as input voltage. When power is from Back-up Battery (9~12VDC), Output voltage is the same as battery voltage.
Output Current	3A max
Relay output	2 Form C Relays, 10A/250VAC / 12A/28VDC
Relay control	Low trigger (trigger devices must have 25V/25mA withstand voltage capability).