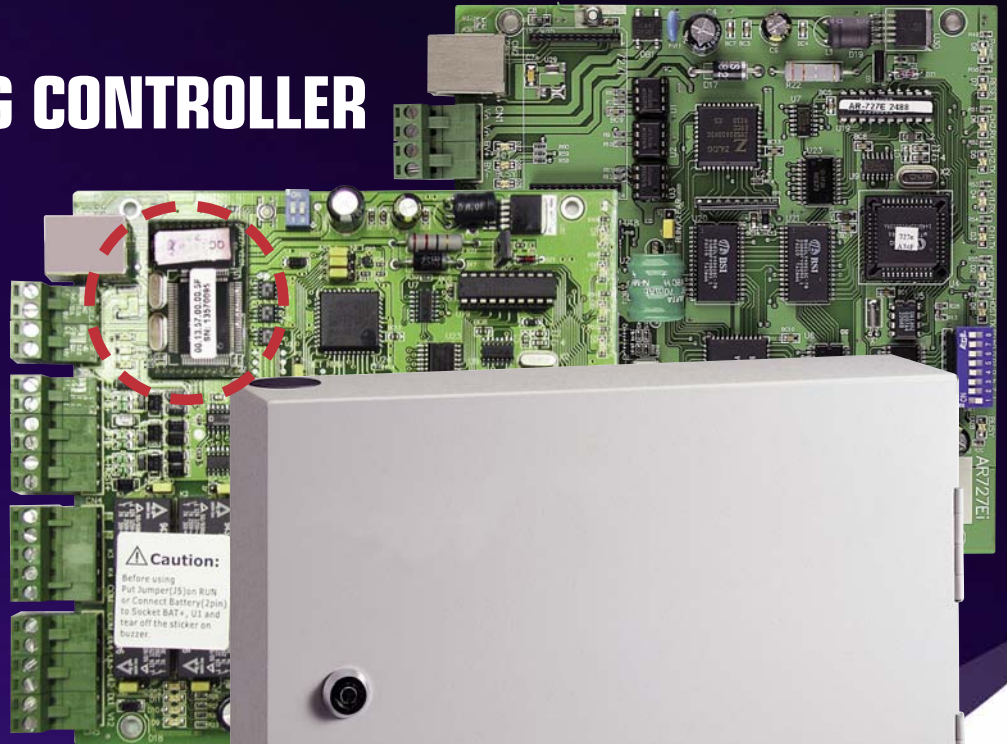


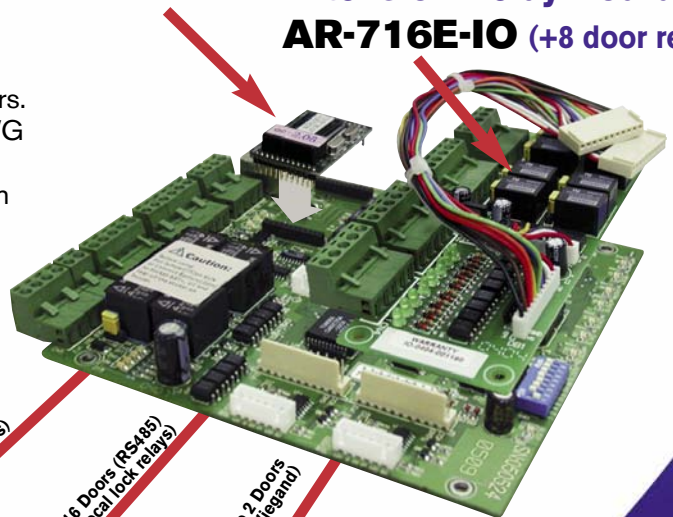
NETWORKING CONTROLLER



Networking Controller AR-716E (4 door relays)

Serial Device Network Module AR-727i Extension Relay Board AR-716E-IO (+8 door relays)

- 2 RS-485 serial ports each port supports 8 readers.
- 2 Wiegand ports which enable connection to 2 WG readers.
- Supports up to 16 doors with reader/controllers with integral relays (12 with reader only) and up to 254 can be linked to a PC host.
- Data retained for 60 days in the event of a power failure.
- Open-all-doors function for emergency purposes.
- Built-in power and RS-485 transmission LED indicator for signal state.
- Ethernet interface for LAN or WAN networking with addition of AR727i.
- Built-in watchdog to prevent the system from locking up.
- Multi-door anti-pass-back.



A

Upto 12 Doors (RS-485)
(Using AR-716E lock relays)

B

Upto 16 Doors (RS-485)
(Using local lock relays)

C

Upto 2 Doors
(2 x Wiegand)

**Options
A or B+C**



AR-737HB-RAY Standard or Vandal Resistant Reader (No built-in lock relay)

or



AR-737H Reader Only (In) (No built-in lock relay)

A



AR-727H Controller/Reader (out) for anti-pass-back function (Built-in lock relay)

B



AR-721U Wiegand Reader (In)

C



AR-721U Wiegand Reader (In)



RAYTEL SECURITY SYSTEMS



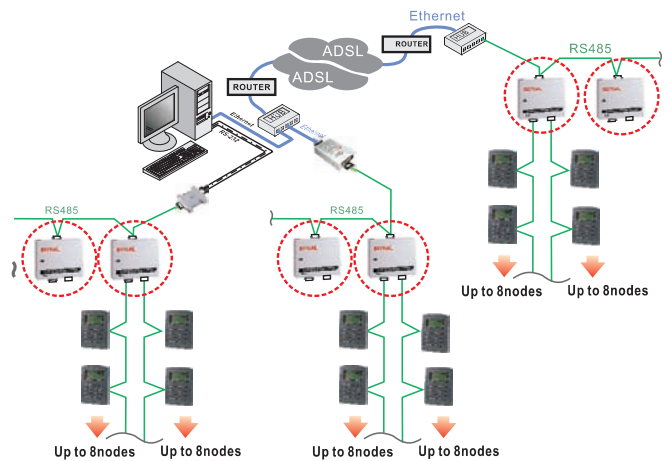
AR-716E/AR-716Ei

*AR-716Ei = AR-716E + AR-727i



Specification	
User Capacity	15,000
Event log	11,000
Power Requirement	15-24VDC
Power Consumption	< 2.5W
Communication Interface	Reader Channel: RS485 x 2 Host Channel: RS485 / Ethernet
Baud Rate: RS485	9600 bps (N, 8, 1)
Baud Rate: Ethernet	10M
Environment	-20°C to +75°C
DI Input Max. Quantity	4+8 (AR-716E-IO)
Relay Output / Max. Quantity	7A 30VDC / 4+8 (AR-716E-IO)
Max. RS485 Reader Supported	16
Max. WG Reader Supported	2
Anti-pass Back	Yes
Door Group	255
Time Zone	63
Editing Mode	PC Software
Dimensions (mm)	180(H) x 231(W) x 62(D)
Weight (g)	1,840 ± 50
Housing Material	Metal
Others	UPS Function (No Battery Included)

System Architecture



Serial Device Network Module AR-727i



- Built-in Ethernet and TTL serial interface.
- TCP/IP, DHCP, ICMP and ARP supported.

Specification	
Converting Interface	10 Base T Ethernet - UART (TTL)
Baud Rate	4800bps - 57600bps
Power Requirement	5VDC
Power Consumption	< 0.5W
Environment	-20°C to +75°C
Protocol	TCP/IP, ICMP, DHCP
Dimensions (mm)	45(H) x 28(W) x 14(D)
Weight (g)	15
Housing Material	-

Expanding Relay Board AR-716E-IO (+8 Door)

