

AR-727-E

Classic Graphic Display Multi-Function Controller

Classic and popular LCD Controller of SOYAL, inherit V3 outlook design with upgraded function, supporting TCP/IP Networking to meet diverse applications



Communication Redundancy

Support TCP/IP and RS485 interface, when main communication disconnects, deputy communication will work to maintain normal work

HTTP WEB Server Remote Management

Controller is able to remotely managed at any time via browsers not restricted by computer brands or mobile phone brands

2 Sets of UART Ports

Flexible integration with peripheral devices, like I/O module, floor control panel, LED display, infrared thermo-camera, etc.

Support SOYAL Cascade Structure

Built-in multiple control modes:

1. One door
2. Two door (with WG reader)
3. Multiple doors (with multi-door control panel)

Multi-Language Menu Setting

Intuitive menu make functional setting simple, no need to memorize command set

8 Sets of Time Attendance

Duty On/Off, Break Out, Break Return, Overtime On/Off

Classic LCD Multi-Function Controller

Inherit 727H-V3 controller's classic outlook, upgrading with much more multiple functions, over 20 years of perseverance have created durability and stability quality.

Features



Double Relay



Waterproof (IP54)



Complete Indicator



Dual-Band Frequency



Two Doors Control



Suitable for Extended Function



Web



Youtube

- Dual communication interfaces: RS485 and Ethernet (10/100M Base T)
- Built-in watchdog, real time clock, anti-vandalism switch, ingress protection, alarm setting, holiday edit, auto open door time zone, door group, door status DI, anti-pass-back function and duress code & output
- Support user capacity: 16,000 / 32,000 / 65,000 users
- Support floor control: 64 / 32 / 16 floors
- In case Ethernet disconnects, controller is still able to identify UID and record event log
- Multiple access mode: card only, card or password, card and password
- Two doors control: Two sets of push button and door status, relay output for lock and WG output for reader
- Multiple DO outputs: Lock, alarm, arming, duress and digital relay
- Supported frequency: 125kHz, 13.56MHz and dual band
- Standalone / Networking is switchable during working
- Support RS485 communication encryption, SSC (Soyal Security Communication)
- Communication Redundancy : Support TCP/IP and RS485 interface, when main communication disconnects, deputy communication will work to maintain normal work
- Support encrypted reader mode if utilized with other brand's controller

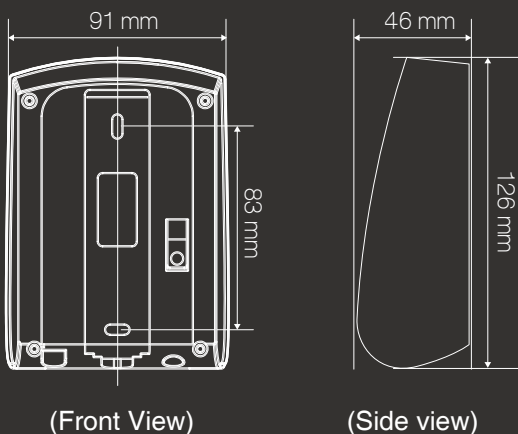
SPECIFICATION

Communication interface	Host	TCP/IP / RS485 (9600 bps) SSC (Soyal Security Communication)
	Serial	UART (TTL, 4800~115200 bps) X 2
Frequency	125kHz / 13.56MHz / card simulation	
Supported Tags	125kHz	ISO18000-2: EM4001 and EM4095 compatible
	13.56MHz	ISO14443 Mifare Ultralight / Classic / Plus / DESFire / - EV1/ EV2 / NFC (card simulation)/ISO15693 / Felica
Crypto	13.56MHz: CC Certification: AES Crypto comply with EAL5+	
RFID Reading Range	125kHz: 5-15 cm / 13.56MHz: 2-5 cm	
UID Bits	24-64 Bit (Adjustable)	
DI/DO	DI	Egress X2 / Door State X2
	DO	Security Output / Arming Output / Duress Output
	RO	Door Lock Relay / Alarm Relay
Doors/Floors Number	2 Doors / 64 Floors	
User Capacity	16,000	
Event Log	32,000	
Indicator	LED	6 Bi-Color LED Power / Alarm / Arming / OK / Error / In processing
	Buzzer	1
TAMPER	Limit switch(1 Form C/ 1000mA / 30VDC)	
Dimension (mm)	126(H)X91(W)X46(D)	
Housing Material	ABS	
Color	Gray	
Weight (g)	240±10	
Power Consumption	<5W	
Power Voltage	9-24VDC	
Ingress Protection	IP54	
Power Voltage	128*64 (4 line messages, 16 Characters each line)	
Environment	Operating Temperature	-20°C ~ +70°C
	Storage Temperature	-25°C ~ +75°C
	Operating Humidity	0%~90%
	Storage Humidity	0%~95%

WHAT WE OFFER

- ✔ **Double Doors Control**
 Connected with Reader, it can manage 2 access control by a single unit of controller. The second set of access control also has the exit switch, door contact status and door output control, can also set different access level (such as - can access Door A but can not access Door B).
- ✔ **Real-Time Event Log Integration**
 After reading card, IP-based controller will actively send the event logs through port 8031 for the integration with the 3rd party program.
- ✔ **Auto-Schedule Function**
 AR-327-E special firmware connects with DO module AR-401RO16B, using Lift Control program enabling you to control each Digital Output and formulate a time schedule for each output, up to 64. It's suitable for each various switching devices, such as lighting, sprinkler system, air conditioning, etc
- ✔ **Extended Application of Auto Open Time**
 The Wiegand reader Auto-Open time zone setting is able to control the infrared activation function / output the second set of door contact functions at a specific time.
- ✔ **Auto-Alarm Function**
 Built-in 16 sets of alarm to output flash light, alarm clock, broadcast system, and each set of alarm can set the output time.
- ✔ **With 2 Sets of UART Port**
 It can be applied to:
 (1) 256-point Mailbox Management System
 (2) Auto-scheduling control function-64-point DO control
 (3) Printer integration
 (4) Voice module (AR-721V-V2)
- ✔ **Reader Mode Supported**
 Controller can be set to Reader mode, with Wiegand output that can be integrated with various brands of controllers, with a dual-band format that turns into Wiegand dual-band Reader.

INSTALLATION(mm)



HOW TO ORDER

AR-727-EXR1121-X

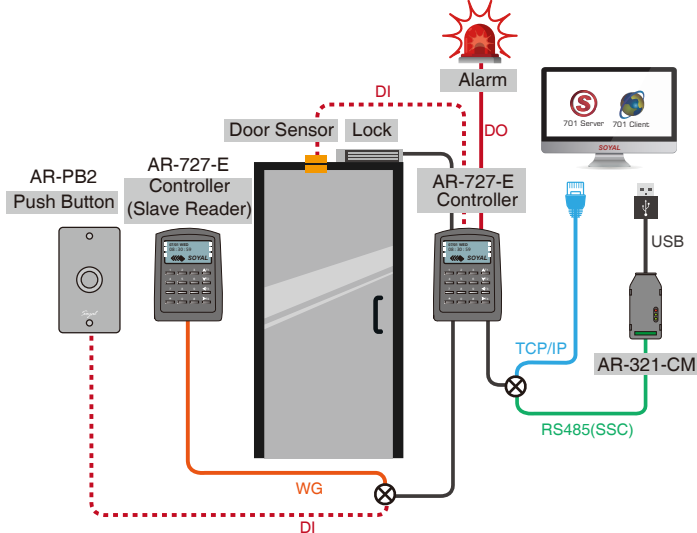
- Frequency**
 B=125kHz
 D=13.56MHz
 S=125kHz+13.56MHz
- RTC**
 R=Built-in RTC
- Communication**
 1=RS485
- Waterproof**
 1=Weatherproof
- Housing Material**
 A=TCP/IP Module
 P=POE Features
- Language(LCD)**
 1=English/Chinese
- Color**
 2=Gray

APPLICATION & STRUCTURE DIAGRAM

● STANDALONE & NETWORKING ACCESS CONTROL

Anti Passback: restrict user to re-enter before exiting venue or increase security level by having access reader at the other side of the door. Both entering and exiting will required swipe card or keyfob for access.

AR-727-E can detect abnormal event with the door contact status in arming mode. When a forced entry or door opening too long, an alarm is generated and sent to the software, AR-727-E alarm output can be equipped with a flash buzzer as warning on site.



--16,000 User, 63 Timezone--

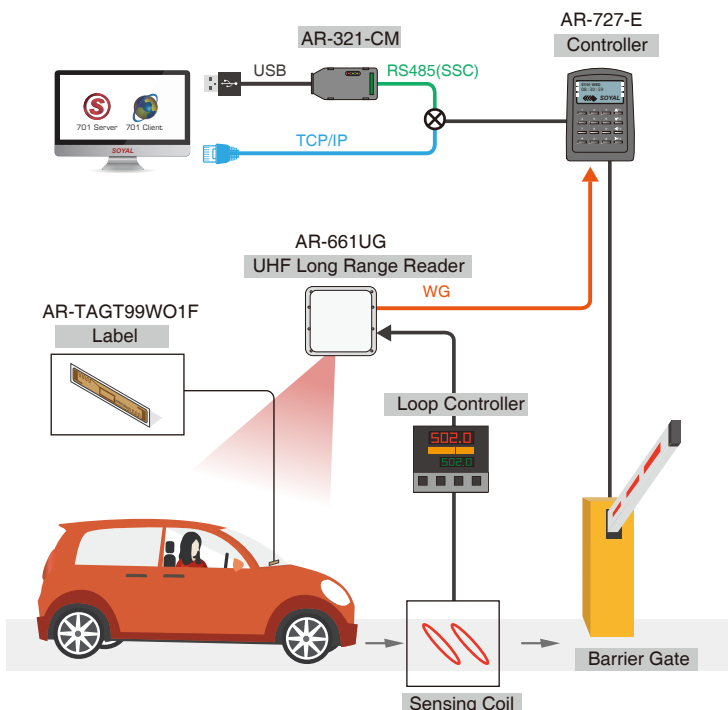
BUILT-IN HTTP WEB SERVER

IP-Based Controller has built-in HTTP WEB Server for Access Control, just input IP address, have it logged in to remotely control a single controller, enabling adding User card, time zone setting, review event logs, etc, even more can remotely open/close door regardless the brand of computer and smart phone. As long as there is a WEB browser, the remote management function can be achieved.



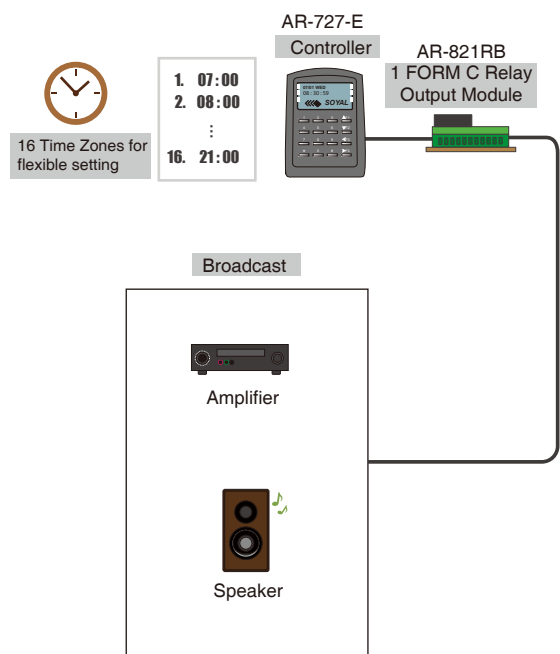
● ETC Long Range Access Control System

ETC Long Range Access Control is the tendency of Traffic Access Management, UHF Long Range Reader as WIEGAND input connected with Controllers AR-727-E Classic LCD Controller, when WIGAND reader detect viechel ETC label (FETC supported) the ETC number will be displayed on LCD for easy recording and tracking, bring the convenience and automation in management.



● Auto Alarm Function

16 sets of alarm setting, when the scheduled time is up (output time duration is adjustable), it outputs and can connect to external devices such as flash light, alarm-clock, broadcast system.



PERIPHERALS / ACCESSORIES

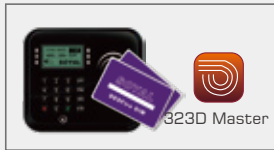
HIGH LEVEL SECURITY

- Anti-Cloning Kits



Mifare Encryption

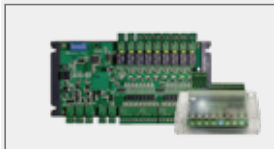
Encoder: AR-725-P
Authorization Tags
Software: Mifare Key



Desfire Encryption

Encoder: AR-837-P
Authorization Tags
Software: 323D Master

- Expansion I/O Control

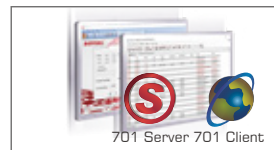


I/O Modules

AR-401 Series:
Multiple Channel I/O Module
AR-403 Series: Tiny Digital I/O Module

NETWORKING

- Software



File Based & Data Based Interchangeable Software for Access Control, Time Attendance, Status Monitoring and Configuration
701 Server & 701 Client



Firmware Upgrade
UdpUpdater



Remote Lift Control and Time Table Setting
LiftControl

- Signal/Interface Converter



POE Module
AR-MDL-RJ45-POE-12V12W



Isolated USB to RS-485 Ethernet to RS485
AR-321-CM
Isolated RS232 to RS-485 Converter
AR-321-CM-485232

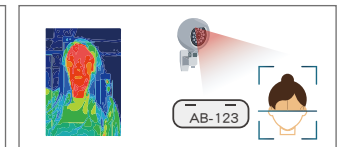


Ethernet to RS485
AR-727-CM
AR-727-CM-IO-0804M (with I/O for Fire Alarm to open all doors)

- Multi-Door AntiPassback
- Extensive Applications (UDP/TCP)



Multi-Door Control Series
AR-716-E16: 16 Doors IP Control Panel
AR-716-E18: 18 Doors IP Control Panel



Infrared Thermo-Camera, LPR (License Plate Recognition)

STANDALONE

- Input/Output



Locks

Magnetic Lock
AR-0600M
Electric Bolt Lock
AR-1207 Series
Cabinet Lock
AR-1211-P/AR-1213-P
Electric Strike
AR-YS-130NO/AR-YS-131NO



Door Sensor / Push Button / Alarm / Burglary Security System

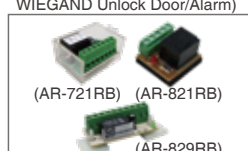
- Nation Series



Keypad Access Controller
AR-721-H

Proximity Reader
AR-721-K

- External Relay Output (Security / Arming / Duress / WIEGAND Unlock Door/Alarm)

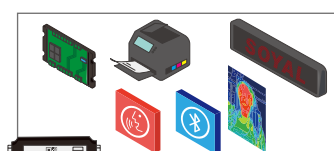


1 Form C relay with time delay
AR-721RB

1 Form C relay
AR-821RB

2 Form C relay
AR-829RB

- UART Port x 2



Lift Control / I/O Module / Printer / LED display / Voice Module / Bluetooth Module / Infrared Thermo-Camera

- Programming
- Necessary



Keyless Editing
Self programmed master card



Power Supply
BP-W12-1500 (1.5A)
BP-W15-2400 (2.4A)



Proximity Tags
125kHz: EM
13.56MHz: Mifare Classic, Mifare Plus, Mifare Desfire, UltraLight
Tags Selection: Thin Card, Round Keyfob, Square Keyfob



AR-727-E

FAQ

Q: What precautions to be aware of when upgrading AR-727H-V3 to AR-727-E?

A: Classic LCD Controller AR-727H has been launching over 20 years and applying widely in various installation sites, to meet the increased demand in more functionality, AR-727H has been upgraded from V3 to V5, this Q&A is major to remind distributors and installers there are some points to be aware of during the replacement in installation sites so that it can avoid unnecessary problems.



◀ Scan QR cod to view

Q: How to view event record in LCD controllers offline without computer ?

A: E-series LCD controller in standalone mode that can check and directly view event record from controller LCD display, through the menu setting help you quickly find the required function to check the event records one by one, such as entry and exit records and alarms. Events and other information.



◀ Scan QR cod to view



More FAQ