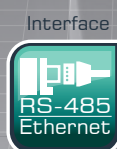


Access Controller with FingerVein

Networking / Stand-alone

Finger Vein
Highest
Security
Unique

AR-881EV



Take actual objects as products standards and pictures are just for reference

Features

- High security Biometrics Device, the finger is the only key
- RS-485 & TCP/IP communication interface
- Built-in Watchdog to prevent system from hanging
- User capacity: 16,000; Event log: 32,000
- FingerVein-User capacity: 1,000 (2 fingers for each user)
- High fingerprint recognition rate, FAR: <0.0001%; FRR: <0.01%
- Operating Illuminance up to 20,000 Lux
- Auth. Speed: 1.1 Seconds (typical)(with 1000 persons registered)
- Access modes:
Finger only, Card and Finger, Card or Finger.
- WG port provides anti-pass-back function
- 63 time zone sets for access control
- Coordinating with softwares for further application on access control, time attendance, payroll, and door/sensor image-monitor function
- Flexible to integrate with other equipment
- Built-in Multi-Output: Door Lock/ Alarm/ Arming/ Duress/ Security trigger signal
- Easily integrated with SOYAL or others access control system
- Patent for new type of Relay, avoid vibrating to Mis-Trigger
Patent Number: M 333650(Taiwan) ZL 2008 2 0055140.9(China)

SOYAL[®]
ACCESS CONTROL SYSTEM

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

RoHS Compliant **ISO** **FC** **CE** **MA**

Access Controller with FingerVein AR-881EV

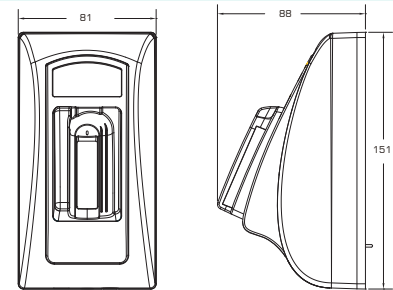


Specification

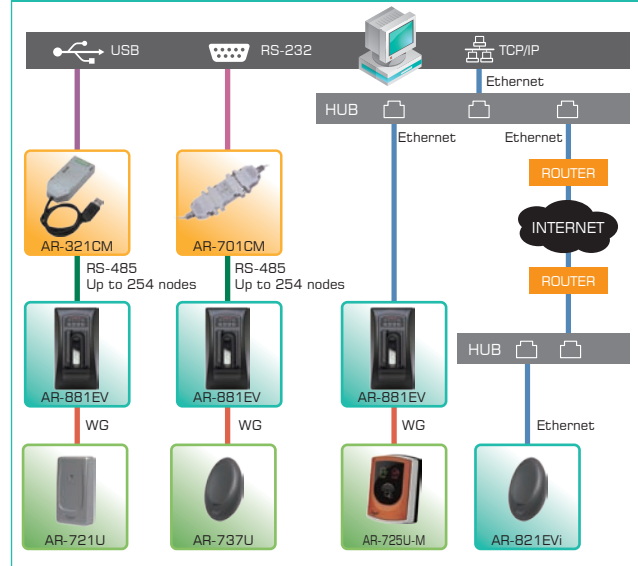
Frequency	125kHz + 13.56MHz	
Data Standard	EM Standard	<ul style="list-style-type: none"> ·ISO14443A/B ·ISO15693 ·DESFire ·PSAM
Active Distance (Depending on tag or card)	5-10cm	2-7cm
Power Supply	10-24VDC	
Power Consumption	<3W	
Communication Interface	RS-485+Ethernet	
Baud Rate	RS-485	9600 bps(N,8,1)
	Ethernet	10/100M Base T
Operating Temperature	0°C to +50 °C	
Digital Input	2 Egress(R.T.E.) / 2 Door contact	
Relay Output	1 Lock Relay	
Lock Relay Time	Toggle, 0.1-600 Sec..	
Alarm Time	Toggle, 1-600 Sec.	
User Capacity	16,000	
Event Log	32,000	
External Reader	WG26/34	
Anti-pass-back	Yes	
Lift Control	64floors, 16,000 Users	
Serial Port	No	
Real Time Clock	Yes	
LCD Panel	No	
Door Bell Button	No	
Transistor Output	Arming LED/Alarm/Duress/Lock Relay/ Security trigger signal	
Indicator	7 LED+1 Beeper	
Keypad Material	NO / External WG keyboard(Options)	
Housing Material	ABS+PC	
Time Zone	63	
Operating Mode	Stand-alone/Networking	
Color	Black	
FAR	<0.0001%	
FRR	<0.01%	
FingerVein capacity	1,000 User (2 fingers per person)	
Auth. Speed(1:N)	1.1Sec.	
Operating Illuminance	20,000 Lux	
Dimension(mm)	151(L)×81(W)×88(H)	
Weight(g)	320g±10	

Dimension(mm)

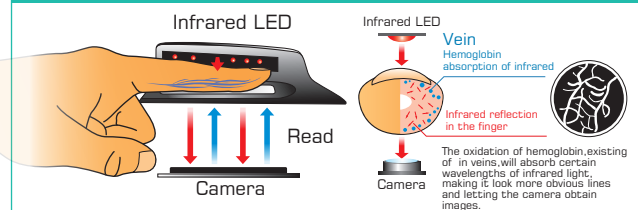
AR-881EV



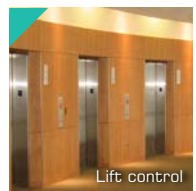
Structure



The principles of finger vein authentication



Application



Biological Identification									
Certified Technique	Characteristics	Installation Charge	Acceptation	Data security	Feature Confidentiality	Operational Convenience	Precision(%)		Applied System
							FRR	FAR	
Vein	Partial images from vein lines	Middle	Easy	High	High	High	0.01	0.0001	ALL
Fingerprint	Fingerprint marks	Low	Uneasy (psychologically)	Middle	Low	High	0.5	0.001	ALL
Iris	The Radial lines of iris of eyes	High	Uneasy (psychologically)	High	Middle	Middle	2.8	0	ALL
Types of palms	The size, length, thickness, or ratio of the palm	Middle	Easy	Low	Lo+	Middle	0.15	0.15	Access Control
Types of faces	The outlines of faces. The shape and disposition of eyes and noses	Middle	Easy	Low	Low	High	1	1	ALL

Authorized dealer