

WIEGAND CONTROLLER + READER + FINGERPRINT DEVICE

Networking & Stand-alone Controller
Networking Reader
Fingerprint Identification Device

AR-821EF (125K)



- Fingerprint capacity up to 1,450
- Short response time for fingerprint identification
- Backup storage of fingerprints, passwords and ID cards.
- High fingerprint recognition rate, FAR=0.0001%, FRR=0.01%. (By taking several copies of each fingerprint, the recognition rate for smoother prints, as with older people is greatly enhanced).
- Supports fingerprint database downloading & uploading from/to PC.
- User (card) capacity up to 10,000.
- Dual function for access control and time attendance systems.
- User friendly editing interface supported by LCD panel.
- Networking controller function, also directly editable through software.
- Built-in watchdog to prevent the system from locking up.
- An extra WG port which enables connection to another WG reader (for exit or anti-pass-back only).



Networking & Stand-alone Controller Networking Reader Fingerprint Identification Device

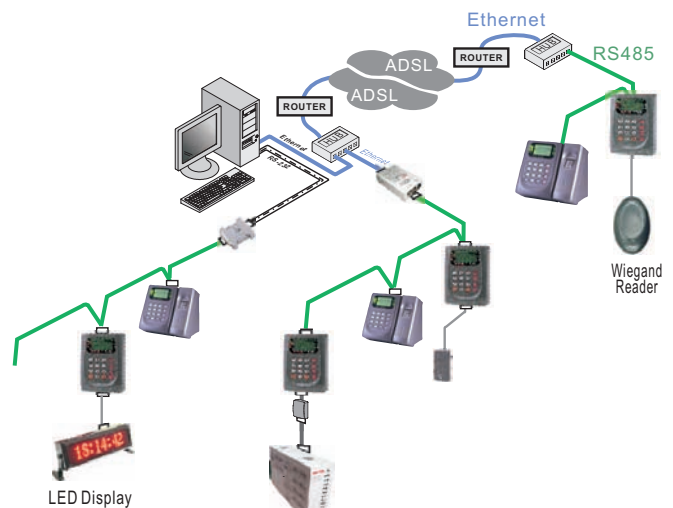
• Stand-Alone • Networking • 125K

Specification	
RF Frequency	125KHz
User Capacity	10,000
Event Log	11,000
Power Requirement	10-24VDC
Power Consumption	< 5W
Communication Interface	RS485 / Ethernet (option)
Baud Rate	9600 bps (N, 8, 1)
Environment	-20°C to +75°C
Compliance	ISO14443A (13.56M only)
Door Relay / Time	3A 30VDC N/O, N.C, Comm / 0-600 sec Max
Alarm Relay / Time	3A 30VDC N/O, N.C, Comm / 0-600 sec Max
Aux. WG Port	WG 26/34, ABA-II, OMRON
Door Group	255
Time Zone	63
Editing Interface	Controller / PC Software
Proximity Reading Range	8-15cm
Colour	Dark Pearl Gray / Silver
Dimensions (mm)	132(H) x 144(W) x 102(D)
Weight (g)	460±10
Housing material	ABS
LCD Panel (pixel)	128 x 64
	(4 line messages, 16 characters each line)
Access Mode - Check FP	Fingerprint Only **
Access Mode - No Check FP	Card Only / Card or PIN / Card + PIN
Fingerprint Sensor	Photo
Resolution	500DPI
Fingerprint Scan Area (mm)	16 x 18
FAR	< 0.0001%
FRR	< 0.01%
Response Time	1.2 sec
Matching Mode	1 : N : 1 : 1
Fingerprint Capacity	1,450

** When "Check Fingerprint" function is enabled, FP checking would always be in the highest priority which surpasses other requirements. Although the user is asked to use card or/and PIN to access, as long as his (her) fingerprint is identified, he (she) is still allowed to access.



System Architecture



Dimensions

