



Fingerprint verification physical access control FPA-70

Flexible, expandable access with biometric identification

Know who is coming and going...using their lifetime ID

The FPA-70 is a robust & scalable fingerprint verification device that comes with the industry's most sophisticated software functionality to enable high security physical access control for buildings, special areas, inventory cages, etc.

The FPA-70 has time attendance functionality along with the capability to be linked with other applications over a networked environment. Unlike the conventional ID card based door control, utilizing an individual's unique fingerprint data to control electric door locks delivers verifiable security as well as potentially eliminating the cost of issuing ID cards. For additional security, the device can be coupled with other entry modes such as PIN codes, Smart Cards.

Additionally, the FPA-70 is further customizable to be integrated into an enterprise network to work with the existing system infrastructure with the optional SDK (Software Development Kit).

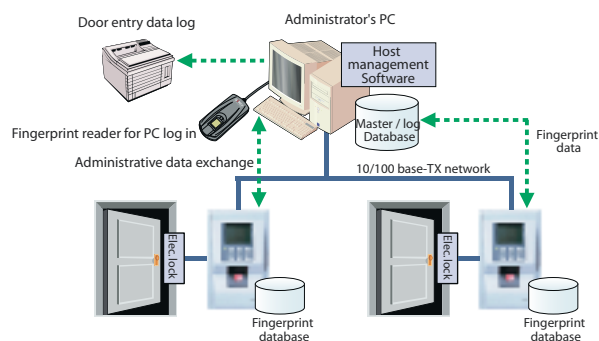
Features

- Embedded Windows CE, easily customizable for various applications
- Optical CMOS fingerprint sensor, 500 dpi, distortion rate < 1.5%
- 240 x 160 pixels LCD monitor to show fingerprint image for positioning and reading status
- Robust security by centralized management for enrollment & verification
- Alarm activation for the administrator when error status is detected including illegal electric lock operations
- Scalable for a server based network environment with optional SDK

Applications

Building door access control, elevator access control, bank vault guard, military firearms access control, prison management, time & attendance management, office cafeteria lunch payment, club member management aviation & transportation security, health care insurance, national ID, inventory warehouse.

System configuration example



Technical specifications

Max registerable user	4,000 users (2 fingers per a user)
Authentication accuracy	FRR (False Rejection Rate) : 1 - 3.3 %
	FAR (False Acceptance Rate) : 0.0001 - 0.001%
Fingerprint data size	256 byte per a finger
Authentication speed	< 1 second (sensor), < 3 seconds (door unlocking)
Sensing allowance	± 35 degrees - angle / ± 0.02 in (5 mm) - position
Network interface	10 Base-T / 100 Base-TX x 1
Device interface	DB9 RS232 x 1
Dimensions (H x W x D)	9.4 x 6.3 x 2.7 (in) / 240 x 160 x 70 (mm)
Weight	2.42 lbs / 1,100 g
Power requirements	DC24V± 6V (1A max)
Operating condition	Temperature: 32 - 104 F / 0 - 40 C (Indoor use)

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