

VFINP

INTELLIGENT BIOMETRIC AUTHENTICATION SOLUTION



- Ultra small size • High speed matching
- Multi verification • Mobile access • User friendly
- Avant-garde design • Cost effective



303 Technology Limited

Unique Features:

Ultra small size

- The smallest 2 in 1 fingerprint IC card reader in the market

High speed fingerprint matching

- Within 2 seconds in 1:N mode, where N=2,000 and no need to connect to PC
- 180° allowable error for fingerprint sensing

Multi verification mode

- Finger only, card only, finger + card, dual fingers, alarm finger mode

Mobile access

- Beside of storing in reader fingerprint can also be stored in an IC card, so that card holder can carry it around to access offices in different locations without their fingerprint pre-registered

Cost effective

- Enhance current staff management system, save limited resources, increase productivities and reduce security black holes

User friendly

- Intelligent design*Wiegand 26bit and RS-485 outputs in compliance with most of the branded access control systems in the market place. Enterprises could be easily upgraded to a higher security level of fingerprint authentication system without changing their existing systems. This would not just save enterprises' limited resources but also enhance its image as a high-level security system user.
- PC independent*Maximum 2,000 fingerprint images can be stored in a single reader, different departments or branch offices could have their own user groups within the same company.

Avant-garde design

- Special coating on the sensor surface reduces most of the problems causing by wet or dry fingers.

Full functional networking software

- VFinp provides TAS software for remote management, data synchronizations, and fingerprint template upload/download
- Special recorded fingerprint for alarming gives protection to users when they are in a life threatening emergency situation.

Software features include:

1. Time/attendances: Flexible schedule and roaster setting, various kinds of leave applications
2. Access control: In/out time setting, dual fingerprint access, alarm fingerprint access, daily reports
3. Fingerprint management software: authorization setting, add/delete fingerprints and IDs
4. Network software: Fingerprint templates up/download, data synchronizations, remote management



Description

Description	Specification	
Sensor type	Optical, CMOS	
Built-in non-volatile memory	8 MB	
Fingerprint image capacity	2,000 images	
Maximum number of event log	60,000 lines	
Verification speed on 1:1 mode	< 1 sec	
Verification speed on 1:N mode (N = Max 2,000)	< 2 sec	
FAR/FRR	FAR is 0.0001% when FRR is 1%	
Voice indication	English, Mandarin, Cantonese	
Fingerprint enrolment	3 times	
Resolution	500 dpi	
Allowable angle error	+/- 180°	
Effective scanning area	20mm x 20mm	
Dimensions	130mm x 88mm x 37mm(H x W x D)	
Operation voltage	5V DC	
Operation current	300 mA	
Output interface	RJ45 x 1, RJ12 x 1	
Interface protocol	RS 485, Wiegand 26 bit	
Best operation environments	Temperature	0 °C - 60 °C
	Humidity	~ 80%

Option - Proximity card reader module

ID card module	Capacity	2,000 cards
	Distance	5 cm guarantee
*Mifare card module	Capacity	8,000 cards and expandable
	Distance	5 cm guarantee

*ISO/IEC 14443 Type A compliant



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