SmaFinger® Optical Fingerprint Reader

SmaFinger is a fingerprint reader developed on the 13.56 Mhz RFID technology.   The integration of biometric technology by fingerprint identification and 13.56Mhz RFID technology make Smafinger be capable of biometric and contactless performance without spending large amount of expenses in running system upgrading with fingerprint system extension. On the aspect of personal privacy issue, SmaFinger supply the high secure of protection on privacy concern due to every fingerprint is stored on a card. Also the reader itself supports Mifare MAD1/MAD2

Specifications:

Security	SmaFinger Optical Fingerprint Reader		
Access Mode	Fingerprint Only	Enroll Mode	Online or Standalone
		Fingerprint Capacity/Validation	1900 / 1:N
	Card + Fingerprint	Enroll Mode	Online or Standalone
		Fingerprint Capacity/Validation	Unlimited / 1:1
	Card Only		Supported
Identification speed	<1 sec (1:1) / <3 sec (1:N)		
Configurable Interface	Wiegand(4~128Bits), ABA TK2(1~40digital), RS232(2400~57600bps)		
Power Requirements	DC 7.5 V~12 V /125mA@12V * A regulated power is recommended		
Card type	MIFARE® Classic (1K/4K for MAD1/MAD2)		
Reading distance	Up to 5cm (MFA01A)		
Audio / Visual Indication	Internal LED and Buzzer		
Dimensions (mm)	130 L x 54W x 52.7D		
Environment	Operating temperature 0 °C ~ +60 °C ; Operating relative humidity 10~90%		

＊Specification is subject to change without notice.

Applications:

- Time attendance.
- Access control and Hotel locker management.
- Credit card or card cash.
- Membership card.
- Drive license or personal ID identification.
- Log in system.
- Wiegand devices or ABA-TK2 compatible.

Company profile:

Giga-Tms was established in Taiwan in 1987 as a magnetic technology products manufacturer. Ten years later, as soon as the company's CEO noticed the new RFID technique, he immediately foresaw its potential and engaged the R&D group in RFID. Now with its 21 years experience, Giga-Tms owns not only proven RFID techniques of superior standard but also makes reliable products for long life.
Giga-Tms always takes into account providing flexible and customized services to every customer.
Although based in Taiwan, Giga-Tms exports 90 percent of the annual production mostly to worldwide market.
Now in its 21 year, Giga-Tms is looking to strength its image through increased advertising, while remaining faithful to its principles: prioritize the customer.

Access Mode	There are three mode for usage. Fingerprint only, Card Only and Fingerprint + Card
Enrollment	Online/Offline enrollment for different application.
4 in 1 Output Interface	Wiegand (Default) / ABA TK2 / RS232 and RS485. Wiegand output is selectable from 4 bits to 128 bits RS232/RS485 output packet can be set with Header, Reader ID and trailer. Buffering output for collision avoidance.
LED/Buzzer /Relay	Internal LED , buzzer and Relay are configurable or control with RS232 commands or wires
Multi-Applications	Supports MIFARE MAD1/MAD2 and customer MAD-AID setting. Supports Non-MAD format with user-defined sector number.
Multi-Readers	Can be set with a Reader ID number for multi-unit communication

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