

ENIGMA

High Security Fingerprint Reader

Number Pad
Fingerprint



Standard
Fingerprint



Description

- “Touch” number pad does not carry any moving parts, which implies more durable
- Metal back plate allows the reader install on metal surface and back-to-back without affecting the read range
- Universal back plate allows the reader be installed on different size of gang box
- All input and output signals are protected against static charges
- Reverse power protection
- All inputs are 12Vdc protected

	Network Version	Standalone Version
Enrolment	Can use Configuration Card to change Fingerprint Scanner to Enrolment Device	Enable usage of a Function Card to perform offline enrolment
Finger Template Storage	Store in Fingerprint Scanner	Store in Mifare Card
Fingerprint Capacity	Support 2,000 users, maximum 4,000 templates	Based on the card capacity of the access control system
Finger Template Data Synchronization	Use software to upload and download via RS485	No synchronization required
Access Mode	Card Only; Fingerprint Only; Fingerprint + Card; Fingerprint or Card	Card Only; Fingerprint + Card

	Standard Fingerprint Reader	Keypad Fingerprint Reader
Configurable Functions		
Re-configure Window	5 seconds (Default) or Half an hour after power up	
Reader Output Format	CSN/UID 32bits, 34bits, 56bits (backward/forward), file content reading for programmed ID	
Wiegand Pulse Width	Different choices to fit with different Controller's requirements	
Keypad Output	N/A	Definable
Buzzer Control	Reader & Controller control (Default) or Controller control only	
LED/Back lit Control	Define different LED color response base on Green LED cable input	
Technical Specifications		
Typical Read range	3 – 5 cm	
Reader Standard Output	Wiegand (RS232 & RS485 optional)	
Standard Keypad output	N/A	Wiegand with 4 bits burst
Wiring Distance	150m (22 AWG with shielded cable)	
Fingerprint Scanner	Optical	
Fingerprint Capacity	Network Version: 4,000 templates, each user can enrol 2 fingerprints Standalone Version: Based on the card capacity	
Template Size	193 Bytes	
Fingerprint Parameter	Verification Time: 1 s/1000 fingerprints stored, FRR≤0.001%, FAR≤1%	
Access Mode	Network and Standalone Version: Card Only, Fingerprint + Card Network Version Only: Fingerprint or Card, Fingerprint Only Use	
Template Synchronization	Network Version: Software to upload and download via RS485 Standalone Version: Templates store inside card	
Operating Specification		
Operating Voltage	10 - 15VDC	
Operating Current	250mA (max)	
Operating Temperature	20°C-60°C	
Exterior dimension	186 L * 85 W * 22 H (RFID Reader) / 31.5 H (Fingerprint Scanner) mm	