✈ Standalone Optical Fingerprint Modules

:: Introduction

FDA01 (Standalone with built in CPU) is the fingerprint recognition module compromised of optical sensor and processing board. With high speed CPU and accurate performance algorithm, it supports high and faster recognition speed and applicable to various products through simple but robust hardware design technology. In addition, since it contains CPU and memory in the processing board, user enrollment and authentication for fingerprint recognition are available without separate PC.

Fingerprint module India 1000 user support Optical Fingerprints standalone module, Fingerprint scanning device, Fingerprint sensors, Fingerprint scanners, Fingerprints software development kit, Fingerprint SDK, Fingerprint Modules scanners sensors for biometric system, Biometric fingerprint time attendance, Biometric fingerprint access control, Fingerprint developers kit, nitgen scanner, Secugen scanner, integration development software, Keyboard Fingerprint Scanner, Fingerprint Scanning, Biometrics india, Biometric.

:: Features

- Built in fingerprint authentication function.
- Uploading/Downloading user's fingerprint data.
- Storage function for authentication log (8000 logs).
- System settings (sensor, authentication level, communication speed and etc.)
- 1:1 matching, group matching

:: Applications

- Access controller
- Door lock
- Safes
- ATM, POS
- Personal computer/workstation security
- Network/enterprise security
- Internet content security
- E-commerce

- B2B transactions
- Electronic transactions
- Bank and financial systems
- Medical information systems
- Any password-based application

:: Fingerprint Recognition Sensor ::

- High-performance, maintenance-free optical fingerprint sensor
- Resistance to scratches, impact, vibration and electrostatic shock
- Fast and accurate verification
- Latent print image removal (does not accept prints left behind)
- Encryption of fingerprint templates (cannot be used to reconstruct fingerprint images)
- One year warranty

:: Technical Specifications

Features	Details
CPU Board spec.	32 bit RISC CPU, 1M RAM, 1M Flash
No. of users	720/2000/4000 users (depending on flash memory)
Size	43 x 93 (mm)
Communication	RS232
Input/Output port	Input x 2, Output x 2 (Wiegand output multiplexed)
Fingerprint Sensor	Optical sensor (OPP01)
Verification Time	Shorter than 1 second
Error rate	FRR: 1/1000, FAR: 1/100000
Operating Temperature	0 - 40 (°C)
Current consumption	Normal : 260 mA | Max : 320 mA
Voltage	5 ± 0.2 (V)