

Futronic FS83C

PIV Serial Fingerprint Authentication Module(sFAM)



Description

The Futronic FS83C serial Fingerprint Authentication Module (sFAM) combines both high performance fingerprint scanner and recognition engine into one device. It has internal memory that can store up to 2500 fingerprint templates.

Any host system can control the FS83C via standard 4 wires serial interface to enroll finger and recognize finger. The recognition result will be sent from FS83C to the host. It can be used to add fingerprint recognition function to existing products such as access control device, point of sale machine, electronic safe, etc.



Fingerprint images and templates can be transferred between FS83C and host system for making flexible application. Futronic provides development tools to customer free of charge for integrating the FS83C with host system.

FS83C's fingerprint engine can also extract and match ANSI/ISO template.

Features and Benefits

- 16MB SDRAM and 16MB Flash memory
- Can store up the 2500 fingerprint templates
- Fingerprint engine can also extract and match ANSI/ISO templates
- Supports Futronic proprietary software and fingerprint recognition algorithm
- 4 wire RS232 interface

For any biometric scanner to capture and/or match fingerprints, biometric software is needed and does not ship with the scanner.

Please contact

Fulcrum Biometrics Southern Africa

to ensure that you are compiling the best solution for your needs.

www.fulcrumbiometrics.co.za

Technical Specifications

General	Size: 80 x 80 x 40mm Weight: 200 g Operation temperature: -10 to + 55 °C Finger scanning Window is waterproof 4 wire serial interface, VCC, GND, TX and RX. Speed up to 961200bps 4 wire RS232 interface Supply voltage: 5V. Max current consumption: 200mA ESD: contact 8KV and air discharge 16KV no permanent damage
Fingerprint Scanner	Window size: 16.26 x 24.38mm Image resolution: 320x480 pixels, 500 DPI, 8 bit grey level Fingerprint image size: 150K Light source: Infrared LED
Fingerprint engine	Processor: Analog Device ADSP-BF532 16MB SDRAM and 16MB Flash memory Can store up the 2500 fingerprint templates Supports Futronic proprietary software and fingerprint recognition algorithm Fingerprint recognition accuracy: FAR-10-6, FRR-10-2 Fingerprint template format same as all other Futronic products
Certifications	FCC, CE, RoHS
Standards/Compliance	FIPS 201/PIV 071006 Image Quality Specification
Compatibility	Fulcrum Biometrics Framework (FbF®) , Biodentify , VeriFinger SDK, MegaMatcher SDK, Futronic SDK

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