Futronic FS84C

PIV Ethernet Fingerprint Auth Module (eFAM)

fulcrum biometrics

Description

The Futronic FS84C Ethernet Fingerprint Authentication Module(eFAM) 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 FS84C via standard Ethernet interface to enroll finger and recognize finger. The recognition result will be sent from FS84C to the host. 4 wires serial interface is also available. So FS84C can be used for both embedded and remote fingerprint recognition application. Fingerprint images and templates can be transferred between FS84C and host system via serial and Ethernet interface
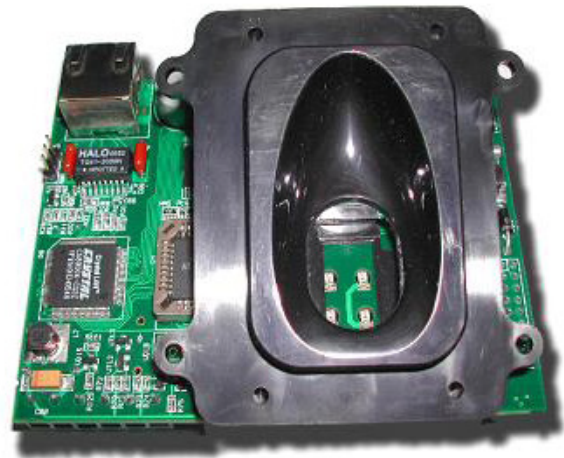
FS84C has 1 output channel (for external relay control) and 2 input channels (for door sensor and switch). So it can be used as a fingerprint access control device.

Futronic provides a full SDK to customers free of charge for integrating the FS84C with any host system.

FS84C's fingerprint engine can also extract and match ANSI/ISO template.

Features and Benefits

- 32MB SDRAM and 32MB 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
- Ethernet communication speed: 10/100Mps
- 1 output and 2 input channels for controlling external devices
- 2 output channels for controlling external LEDs

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.

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Technical Specifications

General	Size: 105 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 1 output and 2 input channels for controlling external devices 2 output channels for controlling external LEDs Built in buzzer for status indication
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 32MB SDRAM and 32MB 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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