FINGERPRINTS

MAKE THINGS GENIUS
BY ADDING THE HUMAN TOUCH

FPC-BM BIOMETRIC MODULE

FPC-EMD EMBEDDED DEVELOPMENT KIT

FPC-BM BIOMETRIC MODULE

As a standalone biometric solution, Fingerprints Biometric Module offers onboard template storage and one-to-few verification. Integrating the Fingerprints Biometric Module can drastically reduce time-to-market, with an easy-to-integrate serial command interface and proven robust fingerprint sensor solution. Our fingerprint sensors come with a protective coating which can withstand ESD well above 30 kV, as well as scratches, impact, and everyday wear and tear.

Fingerprints Biometric Module can easily be integrated into virtually any application as an embedded solution. The biometric module can optionally be controlled by a host CPU, which sends basic commands for enrollment and verification via the serial interface. Fingerprint templates are automatically created and stored in the internal fash memory. Fingerprints Biometric Module comes pre-loaded with software and is ready to use at delivery.

FEATURES

- Compact standalone biometric module
- Embedded fingerprint verification solution
- Easy to integrate minimizing time-to-market
- Protective sensor coating, scratch and ESD resistant
- Download / upload template functionality
- One-to-few verification mode
- 2 command interfaces: SPI / UART
- Command and electrical interfaces retrocompatible with FPC-AM3

HARDWARE INCLUDED

- One of the following fingerprint sensors:
  - FPC1020AM standard
  - FPC1020AM IP67 (waterproof and dustproof)
  - FPC1011F3
- PCB with biometric processor and template storage

FPC-EMD EMBEDDED DEVELOPMENT KIT

Minimize your time to market by using the FPC-EMD to evaluate and integrate the FPC-BM Biometric Module into your product design.

The development kit can also be used as a demonstration and evaluation unit for basic biometric functions, such as enroll and verify, using simple serial commands. It contains all hardware and software needed to get started – simply connect the development board to a PC via USB, install the accompanying FPC SerialCom software, and you're good to go.

The FPC-EMD kit contains technical documentation, sample reference code, CAD files, and mechanical & integration guidelines to get you on your way. Available in three configurations and is compatible with the FPC1020AM and FPC1011F3 sensors.

SOFTWARE INCLUDED

- ❯ FPC Serial Com: PC Windows-based demonstration software

HARDWARE INCLUDED

- ❯ Development board
- ❯ Module FPC-BM1020 or FPC-BM1011 mounted on the development board (including fingerprint sensor FPC1020/FPC1011)
- ❯ Ergonomic housing for the sensor
- ❯ USB cable
- ❯ USB memory stick containing documentation and software

FEATURES

- ❯ Embedded standalone fingerprint verification system development kit
- ❯ Extremely easy to integrate, minimizing time to market
- ❯ Compatible command and electrical interfaces with FPC-AM3
- ❯ Download/upload template functionality
- ❯ Ergonomic sensor housing
- ❯ Easy to connect to PC via USB interface
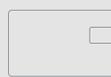- ❯ Evaluation PC Windows software

| Sensor | Development board | Micro-USB cable | USB memory stick |