FINGERPRINTS

MAKE THINGS GENIUS
BY ADDING THE HUMAN TOUCH

FPC BM-LITE BIOMETRIC MODULE

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The Fingerprints FPC BM-Lite is a standalone, compact biometric fingerprint solution with a robust FPC fingerprint sensor, biometric processor and on-board template storage.
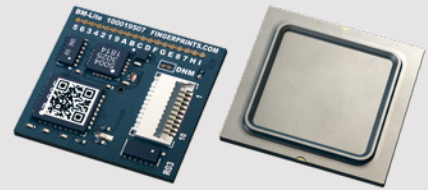
As a complete biometric fingerprint solution, the FPC BM-Lite is ready to use out of the box at delivery, be connected to a host CPU over UART or SPI. Simple serial commands are used to enroll and verify.

The FPC BM-Lite brings together superior biometric performance and a high standard of quality components to offer an all-round embedded solution for increased security and enhanced user convenience. The FPC BM-Lite sensors has a protective coating that protects against ESD well above ±15 kV as well as against scratches and impact from daily wear and tear. The FPC BM-Lite sensor is also waterproof, making the FPC BM-Lite suitable for demanding industrial conditions and all-weather applications.

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FEATURES

- ⟩ Sensor type: Capacitive
- ⟩ Proven matching algorithm
- ⟩ Verification mode: One-to-One / One-to-Many
- ⟩ IPx7 (waterproof)
- ⟩ FRR 1.4% @ FAR 1/500.000
- ⟩ Number of users (template storage): 50
- ⟩ Verification time: 0.4 seconds
- ⟩ Interface: SPI / UART
- ⟩ Sensor pixels: 160 x 160 pixels / 508 dpi
- ⟩ Dimensions (full module): 15 x 15 x 2.8 mm
- ⟩ Operating temperature: 0 to +70°C
- ⟩ ESD protection: ±15kV / IEC61000-4-2, level 4, air discharge
- ⟩ Wear-and-tear: > 10 million cycles at 0.6N
- ⟩ Scratch resistance: Pencil hardness: 4H
- ⟩ Resistant to household substances: Water, carbonated soft drinks, coffee, oil, petrol, soap, artificial sweat, orange juice
- ⟩ Supply voltage: 3.3V
- ⟩ Power consumption active mode (capture): 12mA
- ⟩ Power consumption idle mode (sleep): 13uA
- ⟩ Unique end user features for an excellent every use

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FPC BM-LITE DEVELOPMENT KIT

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Documentation

Ex. host source code