FPC 1300-SERIES

The smart card product solution includes fingerprint sensor hardware, algorithms and software optimized for integration into smart cards. Compact size and ultra-low power consumption makes it optimal to use in contactless or contact based applications.

The proven fingerprint recognition algorithm, together with the ultra-thin touch fingerprint sensors FPC1300-series performs fast fingerprint matching with highest security level and optimal user convenience.

A range of demonstration and development kits together with tools and smart packaging ensures a smooth development all the way, from early prototyping into mass-market production.

FEATURES

- Complete fingerprint sensor module/sensor solution
- Optimized total card costs
- FPC OneTouch® instant wakeup functionality
- FPC 360Touch® recognize a finger from any angle
- Industry leading matching algorithm with self-learning capability FPC EvoTouch™
- FPC TouchNroll™ lets the user enroll with a few quick touches
FPC1320 and FPC1321 fingerprint sensors. FPC1320 is used for initial evaluation whereas FPC1321, has a smaller footprint and lower current consumption during image capture.

- Ultra-thin design optimized for smart card integration
- ISO compliance on card level
- Compact and easy to integrate
- Flat top surface, attractive appearance
- Superior 3D image quality with 508 dpi and 256 true gray scale values in every pixel
- Robust protective coating capable of more than 10 million finger placements
- Full ESD protection more than ±15kV
- Ultra-low power consumption ideal for contactless use
- Fast power up to do image capture < 1 ms
- 1.8/3.3 Volt operation
- High speed SPI interface

**SOFTWARE**

- Designed for systems that have limited current and processing power
- Easy-to-integrate API interface
- Proven robust biometric performance
- One software interface for all supported microprocessor configurations
- Support for match on Secure Element and/or MCU
- Enrollment and verify function
- Fast verification time < 1 sec
- Template manager
- Updates every quarter

**TOOLS**

- DemoKit
- EvaluationKit
- DevelopmentKit
- Image Collection Tool
- Production Test Tool

**PACKAGING**

- Solderable LGA
- T-shape™ module

For more information please visit www.fingerprints.com