



# FPC1035 Touch Fingerprint Sensor

## Product Sheet

- FPC OneTouch® intelligent programmable wake-up functionality
- Squared form factor recommended for rear-mounted integration for mobile devices
- Optimal combination of sensor size and performance
- Compact and easy to integrate
- Robust protective coating capable of more than 10 million finger placements
- Ultra-low power consumption
- Customizable module and LGA including colour options
- Navigation feature
- FPC customized algorithm



## General description

FPC1035 is an evolution of the FPC1022, providing increased performance and flexibility. The FPC1035 is recommended for rear-mounted button integration on mobile devices. Maintaining the industry's lowest power consumption, the small-squared sensor allows 360-degree rotation and unrivaled sensitivity that enables maximum performance without compromising on design aesthetics. FPC1035 offers a navigation feature with excellent 3D pixel - sensing technology that reads virtually any finger: dry or wet. FPC OneTouch® sensor technology together with Guided Enrolment software provides secure verification and an optimal user experience.

## Quick reference data – Touch Fingerprint Sensor FPC1035

PARAMETER	DESCRIPTION	VALUE	UNIT
Interface	SPI	4+1	pin
Supply voltage	VDD voltage, typical	1.8	V
Supply current	Image capture, typical	5	mA
Supply current Sleep Mode	Typical (with finger detection)	2	µA
Pixel matrix	Pixels per inch (256 greyscale 8-bit)	508	ppi
ESD protection	IEC61000-4-2, level X , air discharge	±30	kV
Wear-and-tear	No of wear cycles at 0.6N	>10 million	times
Operating temperature		-40 to +85	°C

## Recommended host system spec for Android integration:

- Android version: 5.0, support for future Android versions will be added continuously
- CPU: Cortex A15 or equivalent @2.3GHz with floating-point and NEON extensions enabled
- CPU (minimum): CortexA7 or equivalent @ 1.3GHz with floating-point extensions enabled
- RAM: 8MB during enroll and fingerprint verification

## Contact info

Email: [sales@fingerprints.com](mailto:sales@fingerprints.com)

Web: [www.fingerprints.com](http://www.fingerprints.com)



Product information is subject to change without notice.