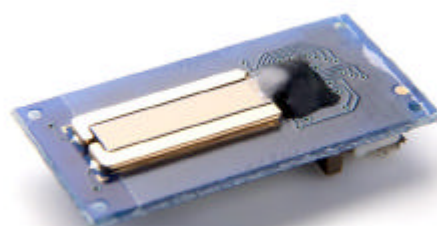


## Features

- Line/swipe sensor
- Internal A/D
- LVDS interface
- 3.3 and 2.5 volt operation
- Improved image quality
- Robust surface coating
- > 15kV ESD protection
- > 1 million wear cycles
- Supports the extraction-on-fly algorithm

## Application examples

- Mobile phones
- PDAs & Portable computers
- Security applications
- Biometrics



## General description

The FPC1031 is a leading edge fingerprint sensor, based on the new Certus Sensor Platform. The reflective capacitive measurement principle enables the use of a very robust surface coating.

The new compact FPC1031B sensor package is extremely tolerant to environmental stress. A well-defined mechanical outline and a standard FC connector makes it easy to integrate. No auxiliary components are required.

## Quick reference data

SYMBOL	PARAMETER	CONDITIONS	MIN.	TYP.	MAX.	UNIT
VDD	Digital supply voltage		2.35	2.5 or 3.3	3.45	V
VADD	Analog supply voltage		2.35	2.5 or 3.3	3.45	V
IDD	Supply current, total (@8 MHz)	VDD = 2.5V		13	21	mA
		VDD = 3.3V		16	24	mA
	Active sensing area			10.64 x 2.24		mm
	Spatial resolution			363		dpi
	Pixel resolution			8		bit
	Package dimensions (LxWxH)			12.0x24.4x3.8		mm

This specification is subject to change without prior notice