

# Gravity: Capacitive Fingerprint Sensor

SEN0359

## Product Overview

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For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

DFRobot Gravity: Capacitive Fingerprint Sensor is a capacitive fingerprint sensor with fingerprint collecting, processing, storing, and comparison integrated into all-in-one device. This sensor has a ID809 high-performance processor and semiconductor fingerprint sensor as the core.

The Capacitive Fingerprint Sensor features simple structure, small size, and delicate appearance. This sensor offers fast recognition speed and supports I<sup>2</sup>C communication. The Capacitive Fingerprint Sensor is used in the fingerprint door-lock, authorization, identity recognition, and drawer lock.



## Features

- Simple structure
- Small size
- Delicate appearance
- 360-degree fingerprint entry and matching
- Self-learning function
- CNC metal ring, plus aperture

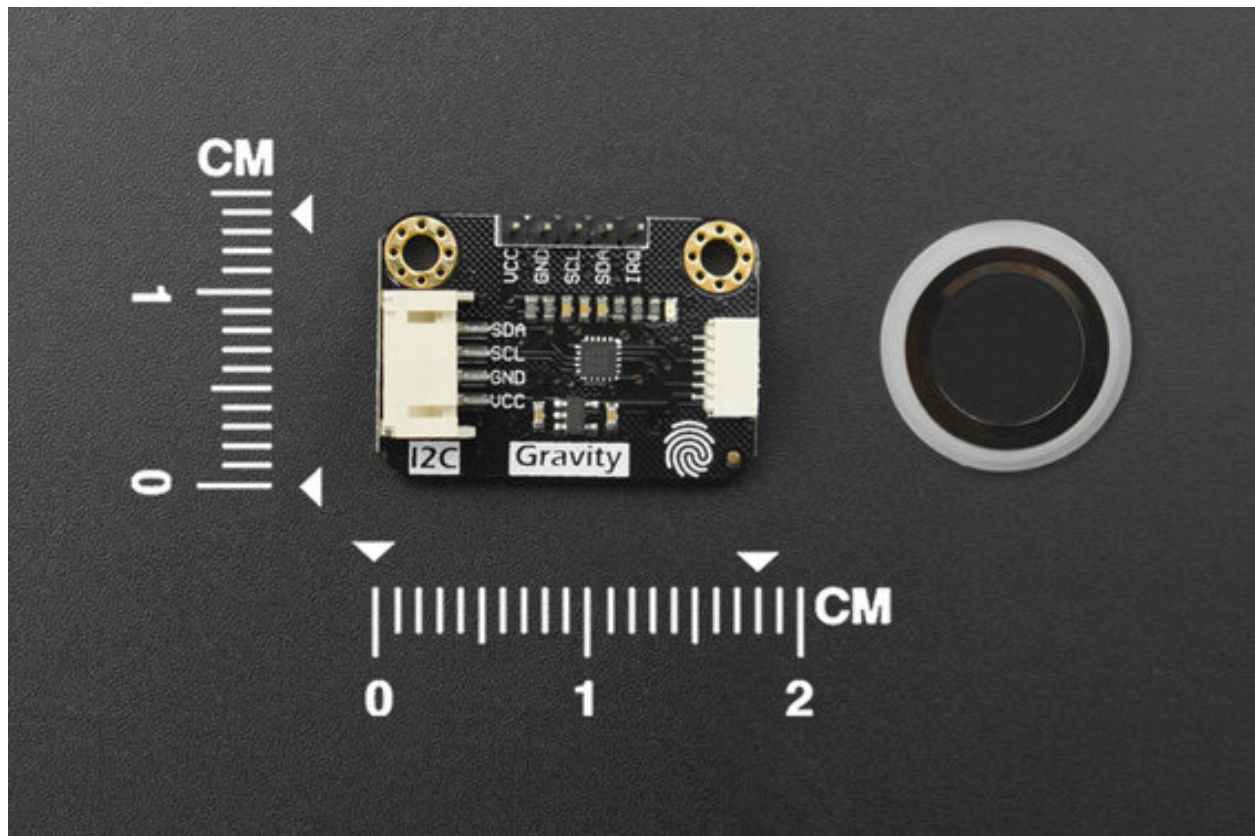
## Specifications

- 3.3V to 5V operating voltage
- <60mA operating current
- I<sup>2</sup>C communication
- -40°C to 60°C operating temperature
- 8mm x 8mm fingerprint detection area
- 300ms to 400ms 1:1 verification time
- 160x160 number of pixels
- 21mm diameter, 5mm height

## Applications

- Fingerprint door-lock
- Authorization
- Identity Recognition
- Drawer lock

## Fingerprint Sensor Dimension



## Mouser Part Number

[View Part](#)

To learn more, visit

<https://www.mouser.com/new/dfrobot/dfrobot-gravity-capacitive-fingerprint-sensor/>