



## SNS-GESTURE

# User Manual

## olimex.com

Rev.1.0 June 2025

## Table of Contents

What is SNS-GESTURE.....	3
Order codes for SNS-GESTURE and accessories:.....	4
HARDWARE.....	5
SOFTWARE:.....	6
Revision History.....	7

# What is SNS-GESTURE

[SNS-GESTURE](#) is easy to use sensor with I2C interface.

It allow hand gesture interface to be add to your next project.

Note that [SNS-GESTURE](#) require 5V for operation and can't be connected directly to UEXT which is 3.3V interface.

You can use [UEXT-3TO5V](#) to connect this sensor to UEXT.

The hand gestures which can be recognized are:

- Swipe Left
- Swipe Right
- Swipe Forward
- Swipe Backward
- Push Down
- Pull Up
- Hover
- Leave

## Order codes for SNS-GESTURE and accessories:

[SNS-GESTURE](#)      Hand Gesture Recognition sensor module

[UEXT-3TO5V](#)      3.3V to 5V level shifter

# HARDWARE

[SNS-GESTURE](#) have four wires:

- Red +5V
- Black GND
- Blue SDA
- Green SCL.

## SOFTWARE:

[SNS-GESTURE](#) module I2C address is 0x39 (57)

The module have one register at address 0x01 and in this register the value is

- 0 no gesture recognized
- 1 Right swipe
- 2 Left swipe
- 3 Backward swipe
- 4 Forward swipe
- 5 Pull up
- 6 Push down
- 7 Leave
- 8 Hover

MicroPython demo code is available for download from the product page.

# Revision History

Revision 1.0 June 2025