

# Example Program Pseudocode

The example program is included in the SDK for two reasons, to allow you to start communicating with the sensor and to serve as a starting point for creating your own application.

This is the algorithm implemented by the program.

1. Initialize the sensor.
2. Initiate signal handler (CTRL+C for shutdown).
3. Create a new connection to device using HID Pipe.
4. Connect to device using connection from step 3.
5. Read response from connection.
6. Optional: Search for platform device.
7. Search for the sensor.
8. Send command Set Operation Modes to the sensor.
9. Loop until interrupt signal from user (CTRL+C).
  - a. Read incoming message.
  - b. Dump incoming message (display it for the user).
  - c. If incoming message is OperationModesMessageType
    - i. Send command Get Resolution to the sensor.
  - d. If incoming message is ResolutionMessageType
    - i. Send command Get Mcu Unique Identifier to the sensor.
  - e. If incoming message is McuUniqueIdentifierMessageType
    - i. Send command Set Enable to the sensor.
10. Disconnect connection.
11. Free up connection memory.
12. Uninitialize the sensor.

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