Getting Started RoKiX IoT Platform with Cypress

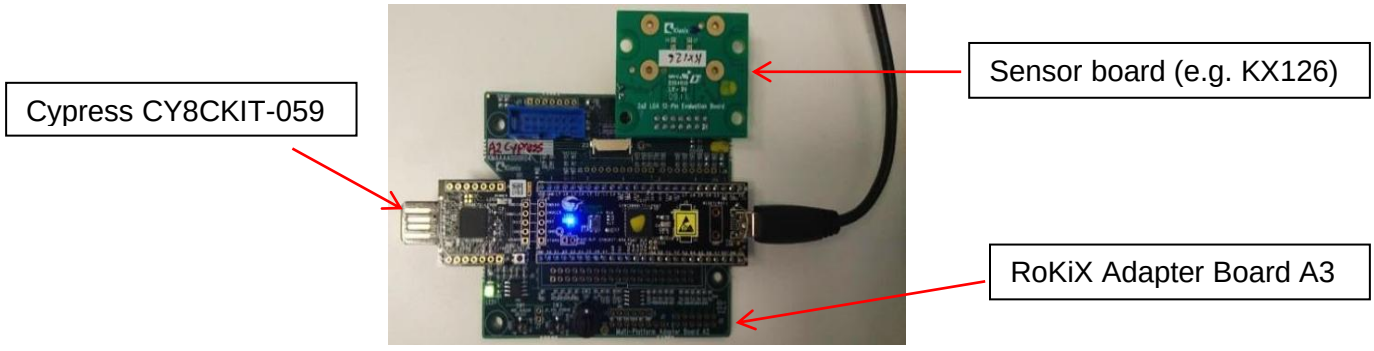
This guide shows how to connect devices using the *RoKiX Adapter Board A3* and the Cypress CY8CKIT-059 board, and how to monitor the data output using the *RoKiX Windows GUI*. First, the latest release of the *RoKiX Windows GUI* can be downloaded via the link: Latest release. After installation, the *RoKiX Windows GUI* is located in `\Documents\RoKiX\RoKiX-Windows-GUI\RoKiX.exe .`

The guide for programming the *RoKiX Firmware* to the Cypress device can be found in section 4.3.4 in the *RoKiX IoT Platform User's Guide*.

The USB connection to the PC is established with *RoKiX Windows GUI*. With Windows 10, the operating system should automatically use the correct driver. For the earlier Windows versions, please follow the driver installation procedure in section 4.1.2 of the *RoKiX IoT Platform User's Guide*.

The *RoKiX Adapter Board A3* is designed to easily interface with ROHM/Kionix devices and development platforms like the Cypress CY8CKIT-059. It can interface with Kionix's standard evaluation boards that feature a 14-pin male header suitable for the Cypress board. For more detailed information, see section 2.4 of the *RoKiX IoT Platform User's Guide*.

Connect your device (sensor board + *RoKiX Adapter Board A3* + Cypress CY8CKIT-059) to the PC using a USB cable:



Next, start the *RoKiX Windows GUI* software and adjust your settings as follows to get the device connected:

- Connection type from Connection menu: **USB**
- Board configuration from Board menu: **CY8CKIT-059 / RoKiX adapter A3 / I2C**
- Stream configuration from Stream menu: e.g. **KX126 / Accel data 100Hz ±8g high resolution**

If the settings are adjusted properly, data streaming should start automatically, and the on-screen output should look similar to this: