Wio Link
Wio Link: INTRODUCTION

• Simplify Internet of Things (IoT) development
• Easy to develop IoT products and services
• **ESP8266** based open-source Wi-Fi development board
• Creation of IoT applications with mobile APPs by virtualizing plug-n-play modules to RESTful APIs
• **Build IoT applications in 3- steps in about 5- minutes**
• No hardware programming
• No breadboard
• No jumper wires
• No soldering
Wio Link: Board

- Status Indicator
- Digital Port 0
- Digital Port 1
- Digital Port 2
- MCU
- Flash
- Power Management
- USB Bridge
- Analog Port
- UART Port
- I2C Port
- Configure Button
- JST 2.0
- Micro USB
- Reset Button
# Wio Link Ports

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash</td>
<td>4M byte (W25Q32B)</td>
</tr>
<tr>
<td>Digital Port 0</td>
<td>GPIO 14</td>
</tr>
<tr>
<td>Digital Port 1</td>
<td>GPIO 12</td>
</tr>
<tr>
<td>Digital Port 2</td>
<td>GPIO 13</td>
</tr>
<tr>
<td>Analog Port</td>
<td>A3</td>
</tr>
<tr>
<td>UART Port</td>
<td>Pin 1 &amp; Pin 3</td>
</tr>
<tr>
<td>I2C Port</td>
<td>Pin 4 &amp; Pin 5</td>
</tr>
<tr>
<td>Status Indicator</td>
<td>Blue LED is the WiFi status indicator</td>
</tr>
<tr>
<td></td>
<td>Red LED indicates the working status</td>
</tr>
<tr>
<td>Configure Button</td>
<td>To configure and manage your Wio Link</td>
</tr>
</tbody>
</table>

![Wio Link Ports Diagram]
Wio Link: Features

- **JST2.0**
  - Battery Interface
- **Micro USB**
  - To power the board or communicate to the PC
- **Reset Button**
  - To reset the MCU
- **Power Management**
  - Managing battery charging, etc
- **USB Bridge**
  - USB to UART bridge
- **MCU**
  - ESP8266
Initial Setup

Step 1: Install android/iOS app:

Configuration Management the groves of Wio Link.

WHAT'S NEW
1. API url use http
• Step 2: Create your account

If you use the Android/iOS App for the first time, you need to sign up an account.

Note: Others select International server.
• **Step 3:** Connect Wio Link to Wi-Fi app

1. Configure your board

   Hold the left/Configure button down until the blue led turn into **breathing**.
• Click "GOT READY" on your phone
• Connect **Wio Link** to the **Wi-Fi Access Point (AP)** around you and give it a name.
• Connect your **phone** to the **Wio Link AP**

![Select Wio link](image)
1. In the OUTPUT slider, search for LED socket and drag it to any of the digital ports.
2. Click on the update button on top right corner
3. It will pass by 3 steps as shown:

1. Notifying the node updated
2. Verifying the firmware
3. Firmware updated
4. Click on API on top right corner.

5. Scroll down and in the ‘Test Request’ column, type 1. And click on Post button. LED will Glow.
6. Now type 0 in Test Request column. And click on Post button. LED will be OFF.