

# **WizFi360**

## **Quick Start Guide**

**Version 1.1.1**

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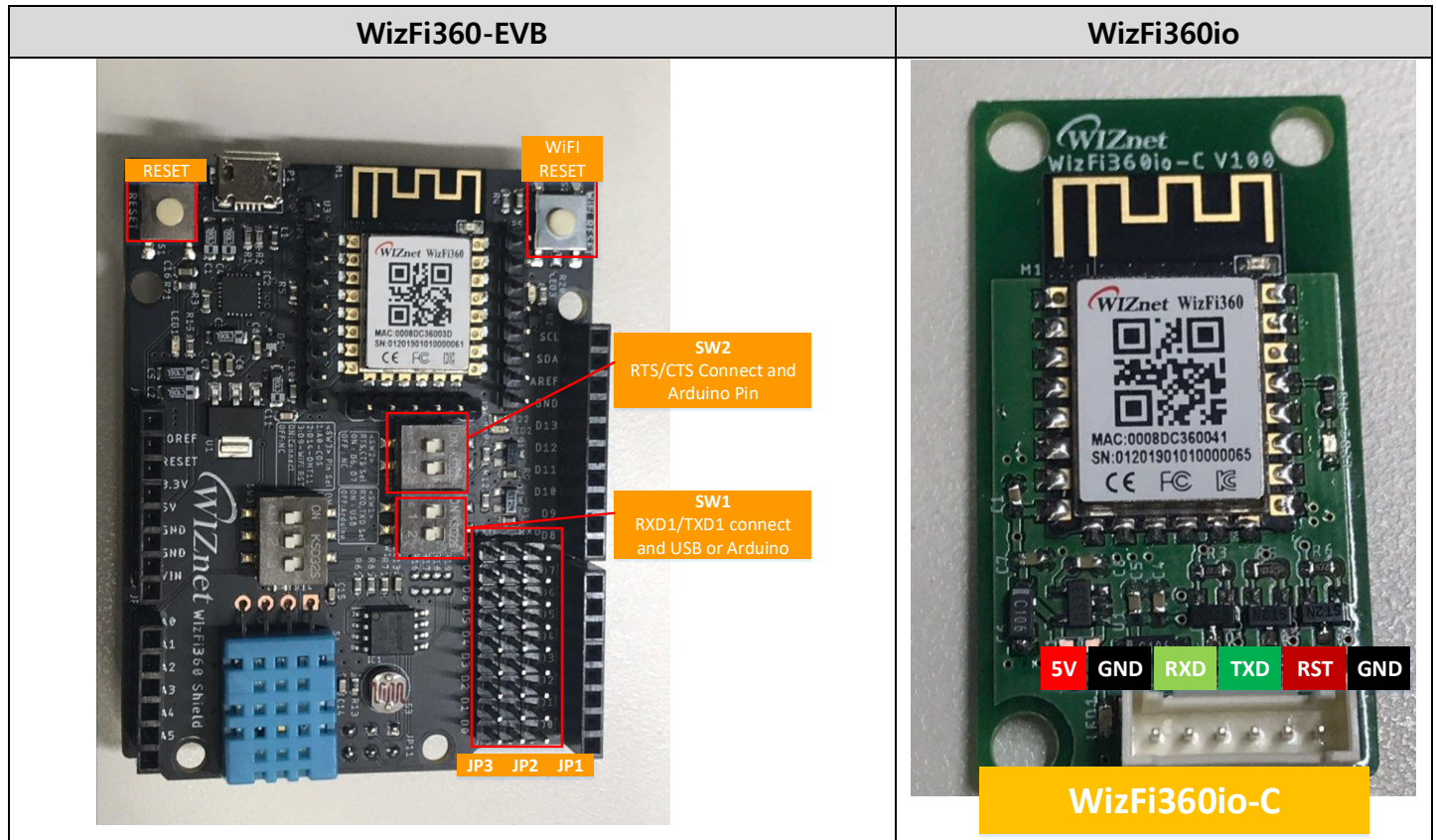
# History

Ver	Date	Description
1.0.0	Aug.2019	Initial version
1.1.0	Sep.2019	Modified environment setting
1.1.1	Sep.2019	Typing error

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## 1. Environment setting



WizFi360-EVB는 UART1을 사용한다. 해당 UART는 USB port 나 Arduino pin으로 제어할 수 있고, 이는 SW1에 의해 결정된다.

Arduino Pin을 사용할 때와 WizFi360-EVB의 USB Port를 사용할 때의 설정 값은 다음과 같다.

	SW1(RXD1/TXD1)	SW2(RTS/CTS)	JP3(TXD),JP2,JP1(RXD)
Arduino Pin	OFF	ON	JP3<->D0, JP1<->D1
WizFi360 Pin and USB	ON	OFF	X

WizFi360io는 UART를 통해 AT Command를 사용할 수 있으며, WizFi360io는 WizFi360io-C 와 WizFi360io-H 두가지 타입이 있다.

## 2. Using Serial command

다음은 WizFi360을 Station Mode로 구현할 때 사용되는 AT Command의 예제를 보여준다.

다른 모드의 AT command 의 Example 이 필요하다면, AT command examples 문서를 참고하길 바란다.

### - Station Mode

AT command	Terminal
AT AT+CWMODE_CUR=1 AT+CWDHCP_CUR=1,1 AT+CWLAP AT+CWJAP_CUR="ssid","password" AT+CIPSTA_CUR?	<pre> AT&lt;CR&gt;&lt;LF&gt; &lt;CR&gt;&lt;LF&gt; OK&lt;CR&gt;&lt;LF&gt; AT+CWMODE_CUR=1&lt;CR&gt;&lt;LF&gt; &lt;CR&gt;&lt;LF&gt; OK&lt;CR&gt;&lt;LF&gt; AT+CWDHCP_CUR=1,1&lt;CR&gt;&lt;LF&gt; &lt;CR&gt;&lt;LF&gt; OK&lt;CR&gt;&lt;LF&gt; AT+CWLAP&lt;CR&gt;&lt;LF&gt; +CWLAP:(4,"DIR-815_Wiznet",-59,"",1)&lt;CR&gt;&lt;LF&gt; +CWLAP:(0,"ESP_574935",-71,"",1)&lt;CR&gt;&lt;LF&gt; +CWLAP:(3,"#WIZnet_irina",-46,"",1)&lt;CR&gt;&lt;LF&gt; +CWLAP:(3,"Matthew2.4",-63,"",2)&lt;CR&gt;&lt;LF&gt; +CWLAP:(3,"rena",-46,"",3)&lt;CR&gt;&lt;LF&gt; +CWLAP:(0,"iptime",-67,"",4)&lt;CR&gt;&lt;LF&gt; +CWLAP:(3,"Dap",-63,"",5)&lt;CR&gt;&lt;LF&gt; +CWLAP:(0,"ESP_577CC7",-67,"",6)&lt;CR&gt;&lt;LF&gt; +CWLAP:(3,"wizms1",-63,"",6)&lt;CR&gt;&lt;LF&gt; +CWLAP:(0,"Wizfi360",-69,"",6)&lt;CR&gt;&lt;LF&gt; +CWLAP:(4,"DLINK-IPv6",-55,"",10)&lt;CR&gt;&lt;LF&gt; +CWLAP:(0,"iptime",-59,"",11)&lt;CR&gt;&lt;LF&gt; +CWLAP:(3,"WIZnet_Scott",-51,"",11)&lt;CR&gt;&lt;LF&gt; +CWLAP:(0,"WizFi360_A1B2D1",-69,"",11)&lt;CR&gt;&lt;LF&gt; +CWLAP:(3,"Teddy_AP",-57,"",13)&lt;CR&gt;&lt;LF&gt; &lt;CR&gt;&lt;LF&gt; OK&lt;CR&gt;&lt;LF&gt; AT+CWJAP_CUR="",1,"" &lt;CR&gt;&lt;LF&gt; WIFI_DISCONNECT&lt;CR&gt;&lt;LF&gt; WIFI_CONNECTED&lt;CR&gt;&lt;LF&gt; WIFI_GOT_IP&lt;CR&gt;&lt;LF&gt; &lt;CR&gt;&lt;LF&gt; OK&lt;CR&gt;&lt;LF&gt; AT+CIPSTA_CUR?&lt;CR&gt;&lt;LF&gt; +CIPSTA_CUR:ip:"192.168.1.120"&lt;CR&gt;&lt;LF&gt; +CIPSTA_CUR:gateway:"192.168.1.1"&lt;CR&gt;&lt;LF&gt; +CIPSTA_CUR:netmask:"255.255.255.0"&lt;CR&gt;&lt;LF&gt; &lt;CR&gt;&lt;LF&gt; OK&lt;CR&gt;&lt;LF&gt; </pre>

## - TCP Client / Command mode

AT command	Terminal
<b>AT+CIPSTART="TCP","192.168.1.74",5000</b> <b>AT+CIPSENDTBUF=10</b> <b>0123456789 =&gt; 10byte data</b> <b>AT+CIPSENDEX=10</b> <b>012W0 =&gt; 3byte data</b>	<b>AT+CIPSTART="TCP","192.168.1.74",5000&lt;CR&gt;&lt;LF&gt;</b> <b>CONNECT&lt;CR&gt;&lt;LF&gt;</b> <b>&lt;CR&gt;&lt;LF&gt;</b> <b>OK&lt;CR&gt;&lt;LF&gt;</b> <b>AT+CIPSENDTBUF=10&lt;CR&gt;&lt;LF&gt;</b> <b>1,0&lt;CR&gt;&lt;LF&gt;</b> <b>&lt;CR&gt;&lt;LF&gt;</b> <b>OK&lt;CR&gt;&lt;LF&gt;</b> <b>&gt;</b> <b>0123456789</b> <b>&lt;CR&gt;&lt;LF&gt;</b> <b>Recv 10 bytes&lt;CR&gt;&lt;LF&gt;</b> <b>&lt;CR&gt;&lt;LF&gt;</b> <b>1,SEND OK&lt;CR&gt;&lt;LF&gt;</b> <b>AT+CIPSENDEX=10&lt;CR&gt;&lt;LF&gt;</b> <b>&lt;CR&gt;&lt;LF&gt;</b> <b>OK&lt;CR&gt;&lt;LF&gt;</b> <b>&gt;</b> <b>012\0</b> <b>&lt;CR&gt;&lt;LF&gt;</b> <b>Recv 3 bytes&lt;CR&gt;&lt;LF&gt;</b> <b>&lt;CR&gt;&lt;LF&gt;</b> <b>SEND OK&lt;CR&gt;&lt;LF&gt;</b>