

# **WizFi360**

## **Quick Start Guide**

**Version 1.0**

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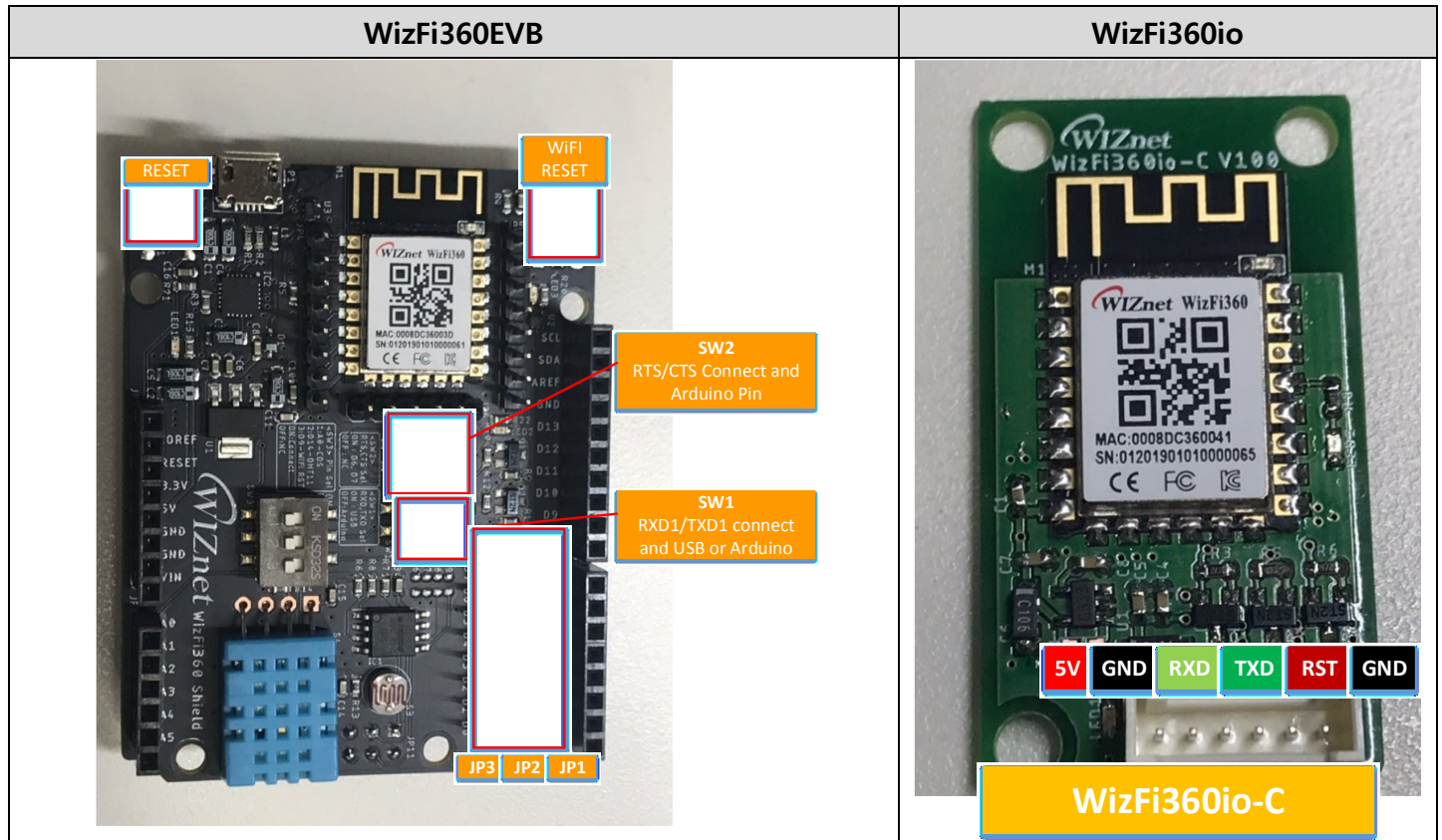
# History

Ver	Date	Description
1.0	Aug.2019	Initial version

## Contents

1.	Environment setting .....	4
2.	Using Serial command .....	5

## 1. Environment setting



WizFi360EVB는 UART1으로 동작을 하며, Arduino Pin또한 사용할 수 있게끔 구성 되어있다.

Arduino Pin을 사용할 때와 WizFi360EVB의 USB를 사용할 때의 설정 값을 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 (RTS : 15pin of WizFi360, CTS : 7pin of WizFi360)	X

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

## 2. Using Serial command

WizFi360를 동작시키기 위한 간단한 AT command를 설명하고자 한다.

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="wizms1","maker0701" 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="wizms1","maker0701"&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
AT+CIPSTART="TCP","192.168.1.74",5000 AT+CIPSEND BUF=10 0123456789 => 10byte data AT+CIPSENDEX=10 012W0 => 3byte data	AT+CIPSTART="TCP","192.168.1.74",5000<CR><LF> CONNECT<CR><LF> <CR><LF> OK<CR><LF> AT+CIPSEND BUF=10<CR><LF> 1,0<CR><LF> <CR><LF> OK<CR><LF> > 0123456789 <CR><LF> Recv 10 bytes<CR><LF> <CR><LF> 1,SEND OK<CR><LF> AT+CIPSENDEX=10<CR><LF> <CR><LF> OK<CR><LF> > 012\0 <CR><LF> Recv 3 bytes<CR><LF> <CR><LF> SEND OK<CR><LF>