WIZnet

WizFi360

Quick Start Guide

Version 1.1.2

WIZnet Co.,Ltd

Copyright© 2019

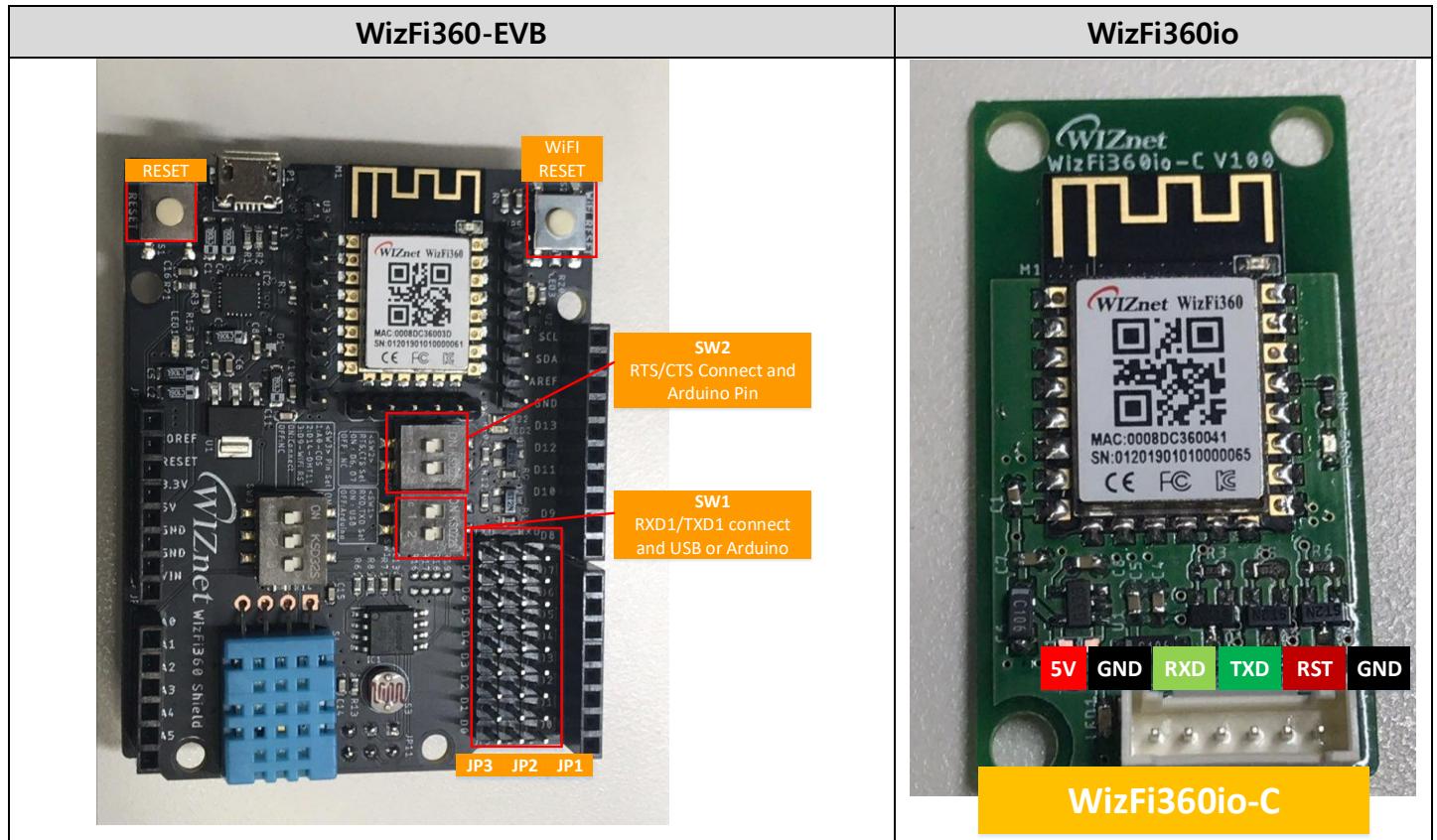# History

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
1.1.2	Oct.2019	Typing error

Contents

1. Environment setting

WizFi360-EVB	WizFi360io

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<br>AT+CWMODE_CUR=1<br>AT+CWDHCP_CUR=1,1<br>AT+CWLAP<br>AT+CWJAP_CUR="ssid","password"<br>AT+CIPSTA_CUR? | ```
AT<CR><LF>
<CR><LF>
OK<CR><LF>
AT+CWMODE_CUR=1<CR><LF>
<CR><LF>
OK<CR><LF>
AT+CWDHCP_CUR=1,1<CR><LF>
<CR><LF>
OK<CR><LF>
AT+CWLAP<CR><LF>
+CWLAP:(4,"DIR-815_Wiznet",-59,"            ",1)<CR><LF>
+CWLAP:(0,"ESP_574935",-71,"            ",1)<CR><LF>
+CWLAP:(3,"##WIZnet_irina",-46,"            ",1)<CR><LF>
+CWLAP:(3,"Matthew2.4",-63,"            ",2)<CR><LF>
+CWLAP:(3,"rena",-46,"            ",3)<CR><LF>
+CWLAP:(0,"iptime",-67,"            ",4)<CR><LF>
+CWLAP:(3,"Dap",-63,"            ",5)<CR><LF>
+CWLAP:(0,"ESP_577CC7",-67,"            ",6)<CR><LF>
+CWLAP:(3,"wizms1",-63,"            ",6)<CR><LF>
+CWLAP:(0,"Wizfi360",-69,"            ",6)<CR><LF>
+CWLAP:(4,"DLINK-IPv6",-55,"            ",10)<CR><LF>
+CWLAP:(0,"iptime",-59,"            ",11)<CR><LF>
+CWLAP:(3,"WIZnet_Scott",-51,"            ",11)<CR><LF>
+CWLAP:(0,"WizFi360_A1B2D1",-69,"            ",11)<CR><LF>
+CWLAP:(3,"Teddy_AP",-57,"            ",13)<CR><LF>
<CR><LF>
OK<CR><LF>
AT+CWJAP_CUR="w    1","      "<CR><LF>
WIFI DISCONNECT<CR><LF>
WIFI CONNECTED<CR><LF>
WIFI GOT IP<CR><LF>
<CR><LF>
OK<CR><LF>
AT+CIPSTA_CUR?<CR><LF>
+CIPSTA_CUR:ip:"192.168.1.120"<CR><LF>
+CIPSTA_CUR:gateway:"192.168.1.1"<CR><LF>
+CIPSTA_CUR:netmask:"255.255.255.0"<CR><LF>
<CR><LF>
OK<CR><LF>
``` |

- **TCP Client / Command mode**

AT command	Terminal
AT+CIPSTART="TCP","192.168.1.74",5000 **AT+CIPSENDBUF=10** 　　　　**0123456789** => 10byte data **AT+CIPSENDEX=10** 　　　　**012₩0** =>3byte data	AT+CIPSTART="TCP","192.168.1.74",5000\<CR>\<LF> CONNECT\<CR>\<LF> \<CR>\<LF> OK\<CR>\<LF> AT+CIPSENDBUF=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>