WizFi360

Quick Start Guide

Version 1.1.0

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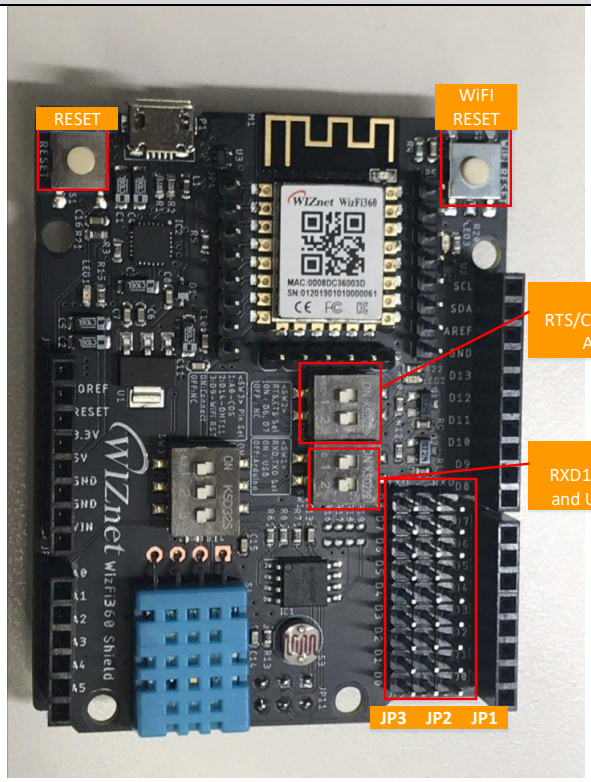
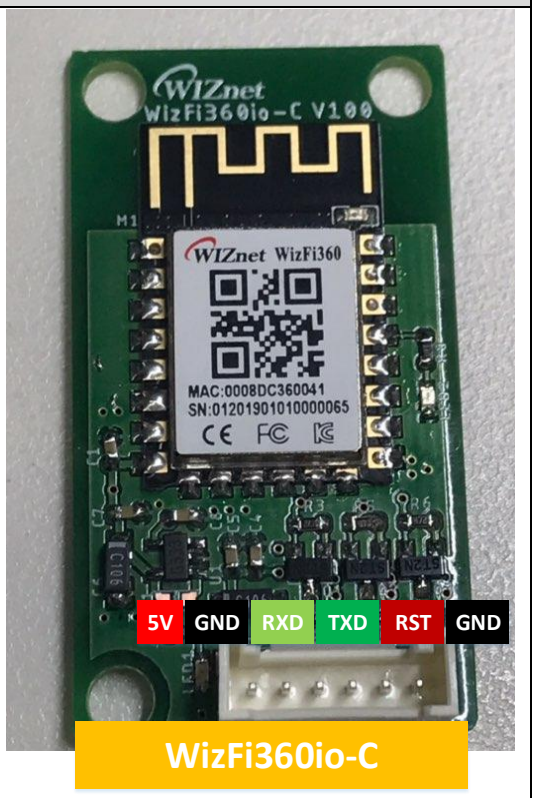
History

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

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

2. Using Serial command

다음은 WizFi360을 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="ssid","password" 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,"[redacted]",1)<CR><LF> +CWLAP:(0,"ESP_574935",-71,"[redacted]",1)<CR><LF> +CWLAP:(3,"##WIZnet_irina",-46,"[redacted]",1)<CR><LF> +CWLAP:(3,"Matthew2.4",-63,"[redacted]",2)<CR><LF> +CWLAP:(3,"rena",-46,"[redacted]",3)<CR><LF> +CWLAP:(0,"iptime",-67,"[redacted]",4)<CR><LF> +CWLAP:(3,"Dap",-63,"[redacted]",5)<CR><LF> +CWLAP:(0,"ESP_577CC7",-67,"[redacted]",6)<CR><LF> +CWLAP:(3,"wizms1",-63,"[redacted]",6)<CR><LF> +CWLAP:(0,"Wizfi360",-69,"[redacted]",6)<CR><LF> +CWLAP:(4,"DLINK-IPv6",-55,"[redacted]",10)<CR><LF> +CWLAP:(0,"iptime",-59,"[redacted]",11)<CR><LF> +CWLAP:(3,"WIZnet_Scott",-51,"[redacted]",11)<CR><LF> +CWLAP:(0,"WizFi360_A1B2D1",-69,"[redacted]",11)<CR><LF> +CWLAP:(3,"Teddy_AP",-57,"[redacted]",13)<CR><LF> <CR><LF> OK<CR><LF> AT+CWJAP_CUR="[redacted]","[redacted]"<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>