

# WizFi360

Firmware Update Guide

Version 1.2.4 WIZnet Co.,Ltd Copyright© 2019

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## History

Ver	Date	Description
1.0.0	2019.07.29	Initial version
1.1.0	2019.08.01	Added explanation about firmware updates using the cloud
1.2.0	2019.08.09	Modified explanation about Upgrade tool
1.2.1	2019.08.30	Modified explanation about UART
1.2.2	2019.09.02	Added explanation about UART1
1.2.3	2019.09.20	Modified typing error and github link
1.2.4	2019.10.16	Modified to WizFi360-EVB-Shield from WizFi360-EVB



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### **1. THE method of firmware update**

Wizfi360 firmware update는 Serial을 이용하는 방법과 AT command를 이용하여 Wi-Fi로 update하는 방법이 있다.

## 1.1 Tera Term 을 이용하는 방법 (Serial)

- **1.1.1** Required hardware and software
  - WizFi360-EVB-Shield
  - Tera Term
  - USB cable or TTL to USB module
  - WizFi360 Firmware: WizFi360\_SDK.img
    - o https://github.com/wizfi/Release/tree/master/Binary

#### **1.1.2** How to download the firmware using the Serial

1. Serial을 통해 Tera Term과 통신하여 Firmware를 update한다. Serial 통신을 위해 UARTO 또는 UART1을 사용한다. UART1의 경우 USB cable을 통해 연결하며, UART0의 경우 TTL to USB module을 이용해 연결한다.



![](_page_4_Picture_0.jpeg)

![](_page_4_Picture_1.jpeg)

![](_page_5_Picture_0.jpeg)

![](_page_5_Picture_1.jpeg)

![](_page_6_Picture_0.jpeg)

ecboot(1MB) running CCCCI <sub>Tera Term</sub> : XMODEM Send	¥3.7
Filename: WizFi Protocol: Packet#: Bytes transferred: Elapsed time:	360_SDK.img XMODEM (CRC) 197 25216 0:03 (6.91KB/s)
Canc	7.6% el
6. Firmware 업데이트가 완료되면 터미널에 'read	dy'가 출력된다.
COM18 - Tera Term VT File Edit Setup Control Window ecboot (1HB) running V3.7 crecerecececececececececececececececece	Help

![](_page_7_Picture_0.jpeg)

## 1.2 Cloud 를 이용하는 방법 (Wi-Fi)

- **1.2.1** Required hardware and software
  - WizFi360-EVB-Shield
  - USB Cable or TTL to USB module

#### **1.2.2** How to download the firmware using the Cloud (Wi-Fi)

![](_page_7_Picture_6.jpeg)

![](_page_8_Picture_0.jpeg)

![](_page_8_Picture_1.jpeg)

![](_page_9_Picture_0.jpeg)

## **1.3** Upgrade tool 을 이용하는 방법 (Serial/WiFi)

- **1.3.1** Required hardware and software
  - WizFi360-EVB-Shield
  - WizFi360 Upgrade Tool
  - USB Cable or TTL to USB module
  - WizFi360 Firmware: WizFi360\_SDK.img

#### **1.3.2** How to download the firmware using the Upgrade Tool(Serial)

![](_page_9_Picture_8.jpeg)

![](_page_10_Picture_0.jpeg)

![](_page_10_Figure_1.jpeg)

![](_page_11_Picture_0.jpeg)

	1 Open		x
	← → · · · · · · · · · · · · · · · · · ·	Search WizFi360	م
	Organize  Vew folder	EE ▼ . □	0
	Name	Date modified Type	Size
	✓ Quick access ✓ WizFi360_SDK.img	8/30/2019 1:48 PM Disc Image File	325
	<ul> <li>OneDrive</li> </ul>		
	This PC		
	<		>
	File name: WizFi360_SDK.img	✓ Image files (*.img)	~
		Open Can	cel
4. Start Upgrade E 확인한다. • Wofi Upgrade Tool VI.&1.3 ① ① Selec ②	버튼(화살표 아이콘)을 클릭한 - ···× tFW ExTeddy/Workspace/2019/06. wizflage 2 Please press reset button Start Upgrade	다음 'Please Press rese	et button message'를
5. WizFi360의 Firm	nware upload가 진행되며, 완	료 시 upload 된 firmwa	re size가 나타난다.
MEEU-read T. 194040			
Selec	TREATER BY EXTEND 347028 bytes of 347028 bytes	WicFiUpgrade Tool V1.0.13  U Select FW	– □ × E\/Teddy\Workspace\2019\06. wizfi36C END 347028 bytes 347028 bytes of 347028 bytes ↓

![](_page_12_Picture_0.jpeg)

#### **1.3.3** How to download the firmware using the Upgrade Tool(Wi-Fi)

![](_page_12_Picture_2.jpeg)

![](_page_13_Picture_0.jpeg)

2. Upgrade Tool의 WiFi 옵션을 클릭한다.

2. 아grade 100의 Will 법원을 걸려한다.					
WizFi Upgrade Tool V1.0.1.3	– 🗆 X				
Construction of the second sec	COM23 C OPEN				
3. Update IP list를 Click해서 PC의 IP를 선택	i한다.				
<ul> <li>WicFi Upgrade Tool V1.0.1.3 - □ ×</li> <li></li></ul>	WUGFI Upgrade Tool V1.0.1.3 - • × WUGFI Upgrade Tool V1.0.1.3 - • × Port Name COM23 • OPEN				
4. Select FW에서 폴더 모양의 아이콘을 클릭해 WizFi360 Firmware binary 파일을 선택한다. (WizFi360_SDK.img)					
Witri Upgrade Tool V1.0.1.3 - • ×	↓ Open				

![](_page_14_Picture_0.jpeg)

5. WizFi360의 Firmware Upgrade 준비 완료되면 아래와 같이 메시지가 출력된다.
WizFi Upgrade Tool V1.0.1.3 – C ×
WIFI Upgrade Start
6. AT command를 이용하여 firmware upgrade를 진행한다.
WizFi Upgrade Tool V1.0.1.3 – C ×
Transmission END
AT+CIUPDATE="http://192.168.0.2:8080/WizFi360_SDK.img" +CIPUPDATE:1 +CIPUPDATE:2 +CIPUPDATE:3 +CIPUPDATE:4
OK ready