

# 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 Using 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	2019.10.01	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

There are three methods to update firmware. You can use Tera Term(Serial Program), Cloud or Upgrade Tool.

#### **1.1** Using the Tera Term (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
    - https://github.com/wizfi/Release/tree/master/Binary

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

1. Update Firmware by communicating with Tera Term through Serial. Use UART0 or UART1 for serial communication. In case of UART1 use USB cable and in case of UART0 use TTL to USB module.









4. While holding down the ESC key on the keyboard, press the reset button on the WizFi360 to enter the Boot mode. When boot mode is entered, the below screen is displayed.



New connection	Alt+D			cccc	Look in:	WizFi360		- 📴 🔁
Lee	Alt+0				Name	^	Date modified	Туре
Comment to Log					WizFi36	0_SDK.img	8/30/2019 1:48 PM	Disc Image File
View Log								
Show Log dialog								
Send file								
Transfer	>	Kermit	>					
SSH SCP		XMODEM	>	Receive	<			3
Change directory		YMODEM	>	Send	File name:	WizFi360_SDK.img		Open
Replay Log		ZMODEM	>		<b>C</b>	-		
TTY Record		B-Plus	>	¥	Files of type:	All(*.*)	×	Cancel
TTY Replay		Quick-VAN	>					Help
Print	Alt+P				Option			
Disconnect	Alt+1				□ 1K			
Exit	Alt+O							
Exit All								



ecboot( CCCCI <sub>Tere</sub>	1MB) running V3.7 Term: XMODEM Send ×
F	Filename: WizFi360_SDK.img Protocol: XMODEM (CRC) Packet#: 197 Bytes transferred: 25216 Elapsed time: 0:03 (6.91KB/s) 7.6% Cancel
6. When the firmware update	e is completed, 'ready' is displayed on the terminal.
COM18 - To File Edit Setu ecboot(1HB) runnin ccccccccccccccccc cccccccccccccccc	era Term VT — C X up Control Window Help g V3.7 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC



#### 1.2 Using the Cloud (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)









#### **1.3** Using the Upgrade Tool (Serial/Wi-Fi)

- **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)

Update Firmware by communicating with Upgrade tool through Serial.
 Use UART0 or UART1 for serial communication. In case of UART1 use USB cable and in case of UART0 use TTL to USB module.









	↓ Open ×				
	← → · ↑ • « Local Disk (E:) → WizFi360 · ♡ Search WizFi360 Ø				
	Organize  New folder				
	★ Quick access     Name     Date modified     Type     Size       Image: OneDrive     Image: WizFi360_SDK.img     8/30/2019 1:48 PM     Disc Image File     325				
	This PC				
	Network				
	File name: WizFi360_SDK.img  V Image files (*.img)  V				
	Open Cancel				
4. Click the Sta message."	<ol> <li>Click the Start Upgrade button (arrow icon) and check the "Please Press reset button message."</li> </ol>				
WitFi Upgrade Tool V1.0.1.3					
	Select FW ExTeddy/Workspace/2019/06.wizfi36C				
2	Start Upgrade				
5. Firmware upload is progressed and uploaded firmware size is displayed.					
Witri Upgrade Tool V1.0.1.3	- C × WidFi Upgrade Tool V1.0.1.3 - C × Select FW E\Teddy\Workspace\2019\06. wizfi36C				
2	SEND         347028 bytes         77824 bytes of 347028 bytes         ↓				



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





2. Click the WiFi option of the Upgrade Tool.
↓ WizFi Upgrade Tool V1.0.1.3 - □ ×
P 169.254.137.11 √
3. Click IP list and select IP of PC.
WitzFi Upgrade Tool V1.0.1.3       - □ ×
2 IP 169.254.137.11 v 169.254.137.11 v 192.168.56.1 192.168.61 Ve3.169.91 Update IP [st]
4. In Select FW, click the folder icon to select the WizFi360 Firmware binary file. (WizFi360_SDK.img)



WuFi Upgrade Tool V1.0.1.3	Select FW		Open     VizFi360     Open     VizFi360     Organize     New folder     VizFi360     OreDrive     OneDrive     This PC     Network     File name: WizFi360_SDK.img     Image files (*.img)     Open     Cancel
5. vvnen v	VIZFI360'S FIrmware C	pgrade is r	eady, the following message will be displayed.
	WizFi Upgrade Tool V1.0.1.3	Select FW	E:\Teddy\Workspace\2019\06. wizfi36C WIFI Upgrade Start
6. Use the	AT command to up	grade the fi	rmware.
	WizFi Upgrade Tool V1.0.1.3	Select FW	- C X E:\Teddy\Workspace\2019\06. wizfi36C Transmission END



AT+CIUPDATE="http://192.168.0.2:8080/WizFi360_SDK.img" AT+CIUPDATE="http://192.168.0.2:8080/WizFi360_SDK.img" +CIPUPDATE:1 +CIPUPDATE:2 +CIPUPDATE:3
+CIPUPDATE:4
ok
ready