### Quick Manual for TypeYD EVK





## **TypeYD EVK- Setup1**



1. Download and Install the driver of URAT-USB FTDI from below site. http://www.ftdichip.com/Drivers/D2XX.htm



click setup executable for file download

2. Install SNIC.exe on provided CD for file extraction and setup.exe for PC tool.

2.1File extract to click SNIC.exe included in CD

Files are extracted in C:¥SNIC if installed with default set.

🖟 MurataType	/D SNIC EVK User Guide.pdf
<u> R</u> eadMe_mu	rata.pdf
🚰 SNIC.exe	

2.2 Install C:¥SNIC¥Tools¥SNIC monitor¥ setup.exe for PC tool



1. STA EVB Pin check for S2W mode

Refer to below document for the meaning of Serial 2 WiFi and Serial Through WiFi C:¥SNIC¥SNIC\_UART¥Documents¥ Murata SNIC Serial Interface Specification.pdf





2. Connect the EVB with the computer with the mini USB cable. If power supplied, system will start automatically.



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3. Start up Test tool [SNICMonitor] ICON on desktop and set up as below.





File Edit View Tools Window Help	
⑧ 월   ※ ● ●   ■ N C F M S W T ?	
Retwork Config	Network Config  Click N for [Network Config]    WIFI On Off  Onf
	Association SSID TXJK Join network Security Open Leave network Key Scan RSSI WPS-Btn WPS-Pin Get Status IP Info IP Info IP Info IP Info IP I0.1.1.127 SNIC demo SNIC demo SNIC _INIT Buff size (0x) 800 SNIC_GET_DHCP_INFO Start Web Server IP 10.1.1.127 SNIC_SEND_ARP
Image: Serial Commands    Serial Commands      Serial Commands    Send      Purpose: Send custom command.    Repeat      Argument: Type your command in the edit box.    Frequency per 10 Sec      Browse    Send File      C:¥Program Files¥MURATA¥SNICMonitor¥test_script¥wifiOn.txt    1	IP addressName murata-ws.comName murata-ws.comIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPIPI

#### 4. Debug command and GUI command control

-Debug Command & Log is for log display and command send control -Network Config is for GUI command control



### 5. For WiFi On Test

-There are two method for Wifi On with GUI control and command send control

### 5.1 GUI control



### 5.2 Command send control





### 6. For SCAN and AP connect

-There are two method also as [4. For WiFi On Test]

#### 6.1 GUI control

Associatio	n	
SSID	ХЈК	Join network
Security	Open 👻	Leave network
Key		Scan

**Click Scan Button** 

### 6.2 Command send control





#### 7. For more test

Do as same method [4 & 5. For SCAN and AP connect] page for more test.

And also we can edit and make script file.

Please refer to

C:¥SNIC¥SNIC\_UART¥Documents¥Murata SNIC Serial Interface Specification.pdf for command list and specification



1. This is a TEST set image.





2. EVB AP and STA Pin check for STW mode





- 3. Connect AP and STA's EVB with the mini USB cable to the each computer
- And then start up teraterm on each PC (setup COM port with baud rate 115200).
  2 COM port is dettected. Upper COM port is used for this test Please set COM4 as below example

USB Serial Port (COM4)

5. AP and STA establish TCP connection. Wait for LED1 (green) to turn on to indicate that the connection is established



Connect with PC for power supply <and terminal control



 If any key is clicked on the PC1 terminal , clicked characteristic is appeared on the PC2's terminal.
 PC2 is received data from PC1 through WiFi.

Refer to this document for detail test

C:\SNIC\SNIC\_UART\Documents\Murata SNIC UART Serial Interface User Manual.pdf

**TypeYD EVK- Layout** 





### **TypeYD EVK- Schematic**





# **TypeYD EVK- JTAG**



Murata EVK has JTAG pins with below specification.

- Pin number : 20 pins
- Pin pitch : 2.54mm



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#### ООО "ЛайфЭлектроникс"

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