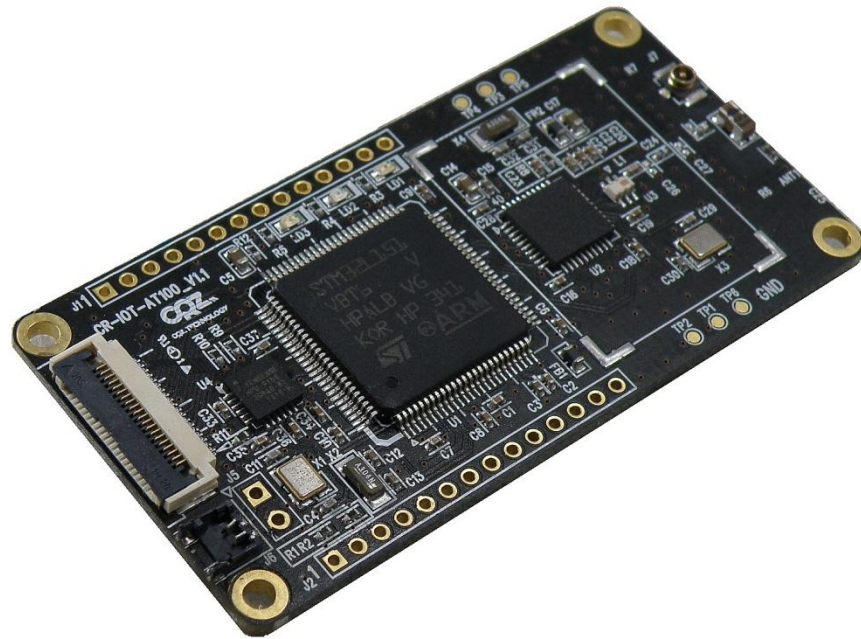


zFrog IoT Thing Board (CR-IOT-AT100) ZigBee Image Write Guide

CRZ.

CRZ. TECHNOLOGY



zFrog IoT Thing Board (CR-IOT-AT100)

How to get an image

1 Download an attachment

2 Unzip the file

1. at100_device_115200.hex
2. at100_coordinator_115200.hex



How to get a tool

1 Download SmartRF Flash tool

[SmartRF Flash Programmer](#)

Download Site Open

Order Now

Part Number	Buy from Texas Instruments or Third Party
FLASH-PROGRAMMER: SmartRF Flash Programmer	Free Get Software

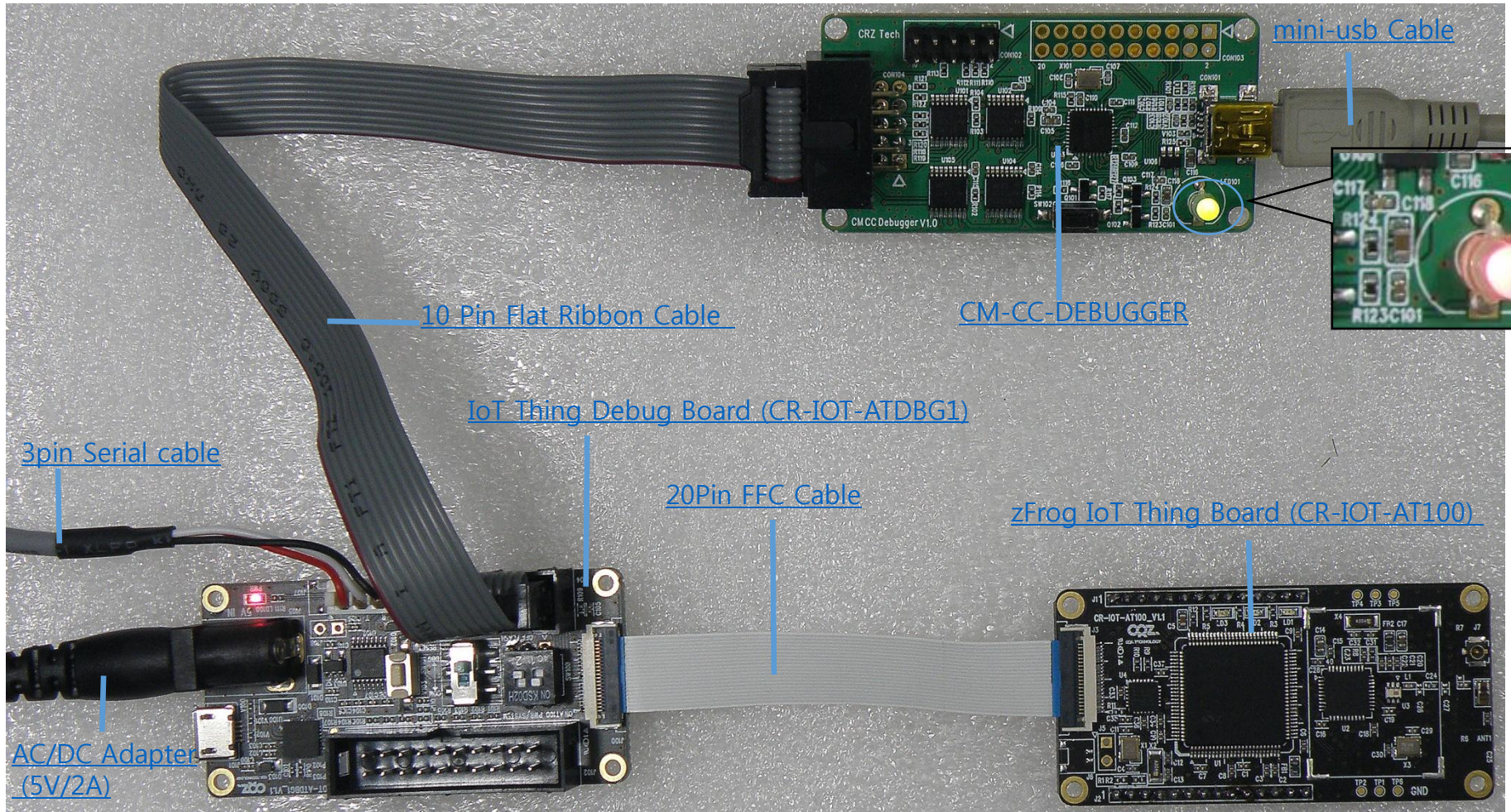


Necessary equipment

- ❖ Boards : [zFrog IoT Thing Board \(CR-IOT-AT100\)](#) , [CR-IOT-ATBG1](#), [CM-CC-DEBUGGER](#), [RS-232 모듈](#)
- ❖ Cables : [20Pin Ribbon Flex Cable](#) , [mini-usb Cable](#) , [10 Pin Flat Ribbon Cable](#)
- ❖ Power Supply : [5V /2A adapter](#)



How to connect

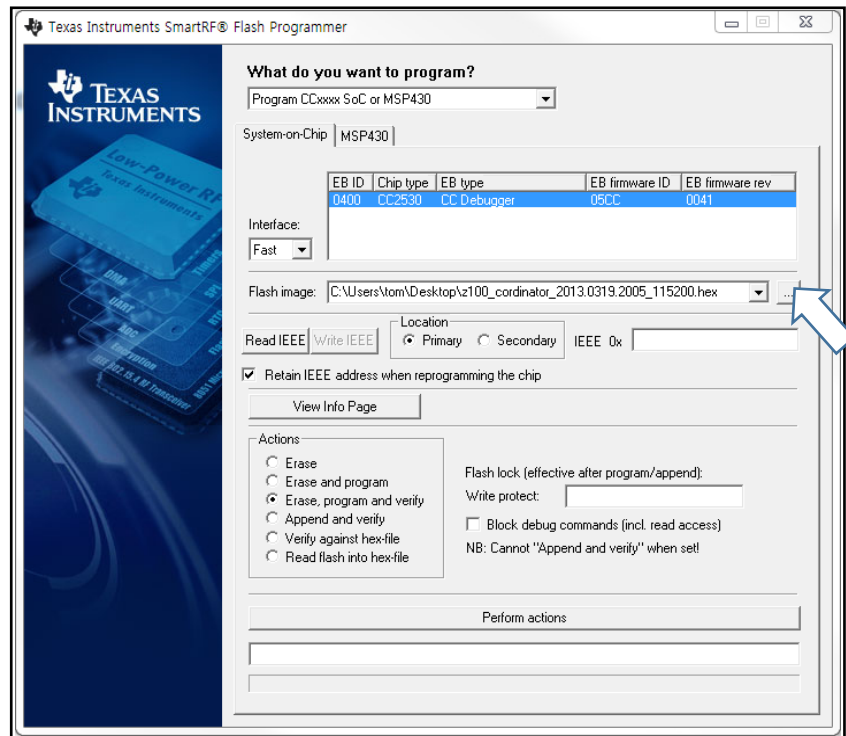


LED glows red, in case of an error. Go to 8 page

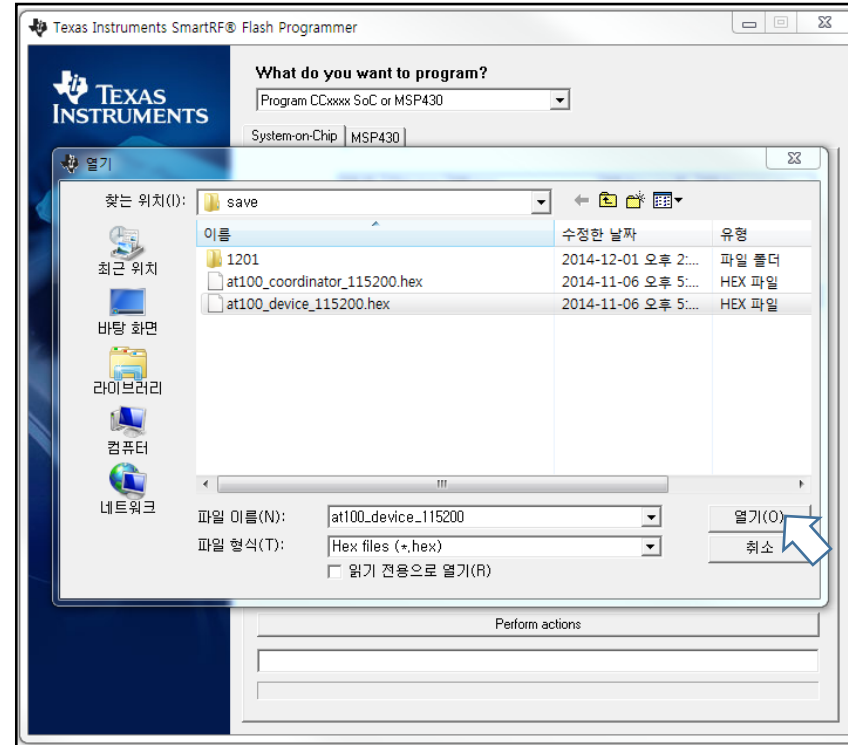


How to ZigBee Image Write

1 Program run



2 Select the flash image



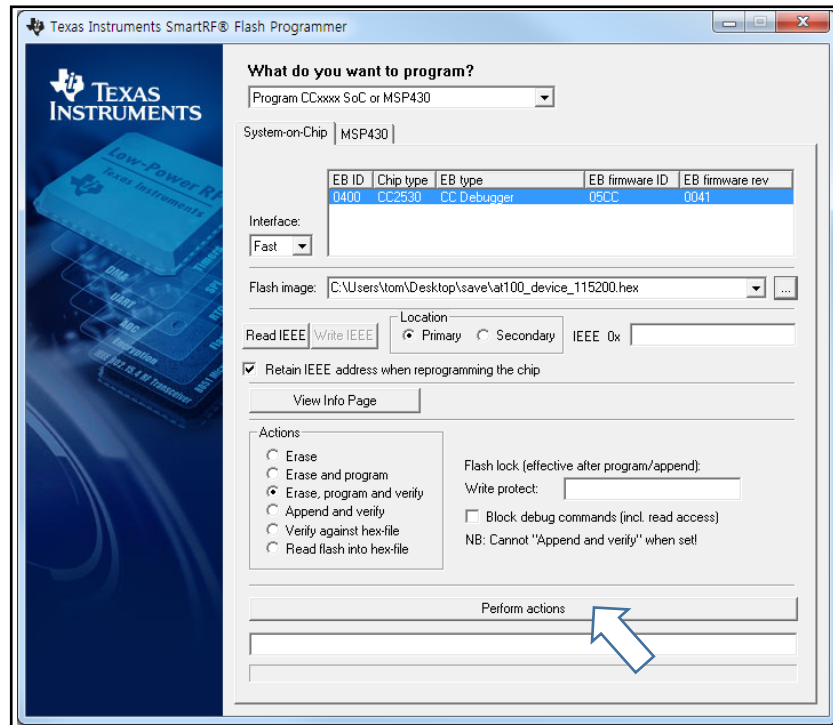
First CR-IOT-AT100 device, select the flash image to at100_device_115200.hex
Second CR-IOT-AT100 device, select the flash image to at100_coordinator_115200.hex



How to ZigBee Image Write

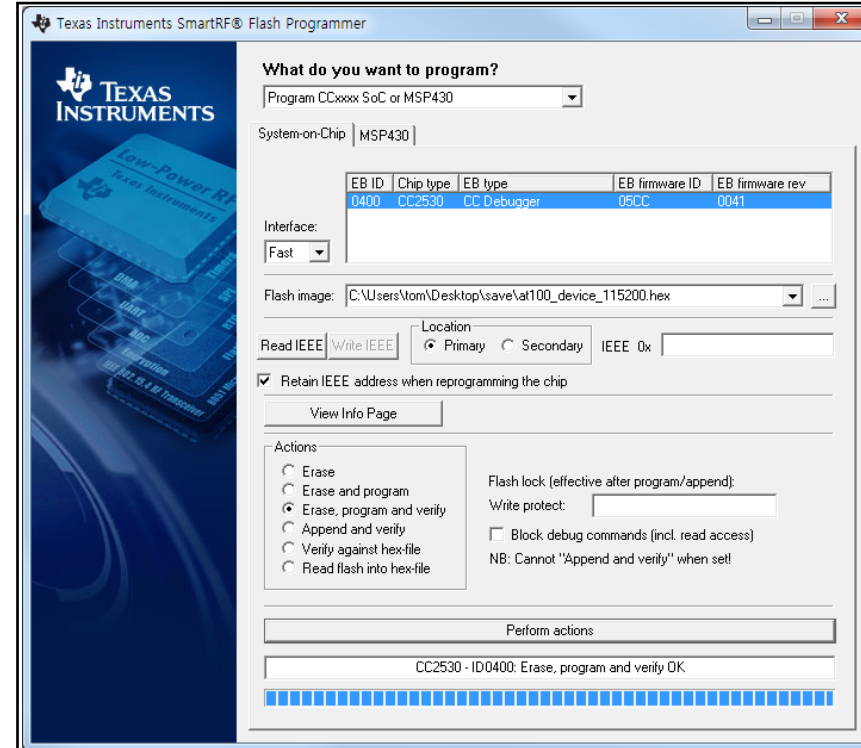
1

Perform actions Click



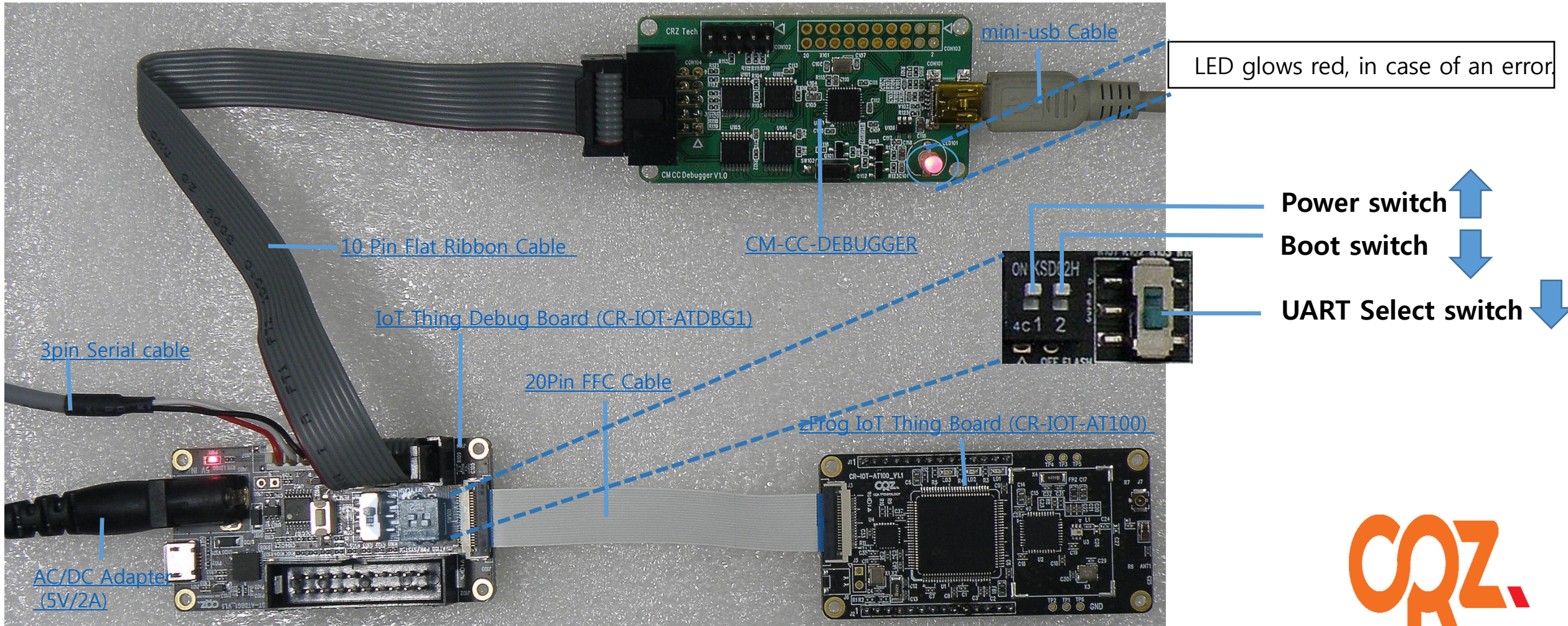
2

Finish the download



If the CM-CC-Debugger error

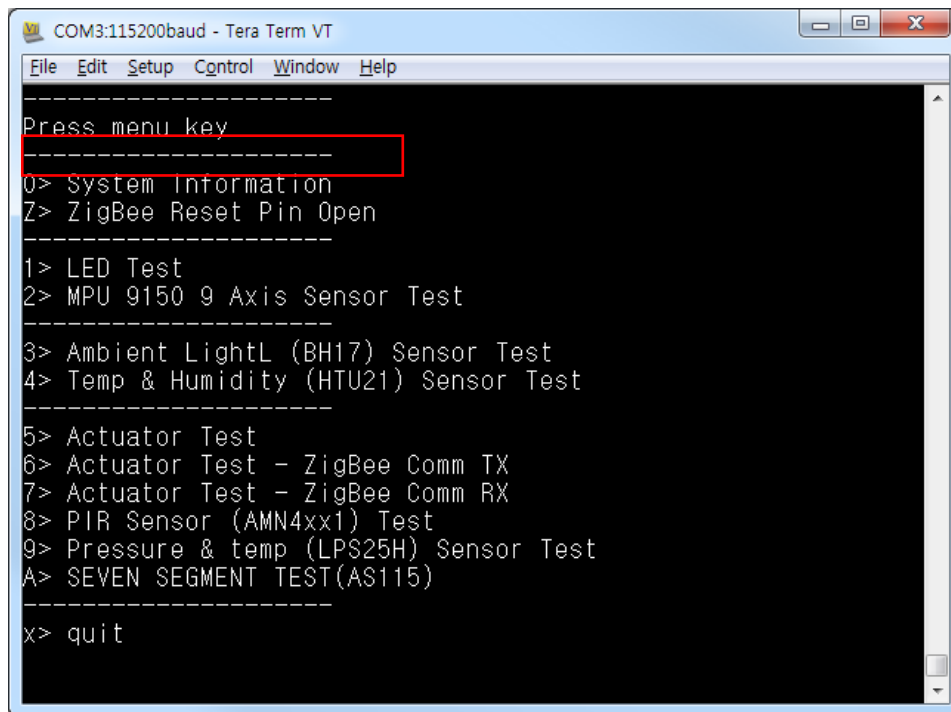
1 Setting switch



If the CM-CC-Debugger error

2

CR-IOT-AT100 부팅
Open terminal program
And select "Z> ZigBee Reset Pin Open"

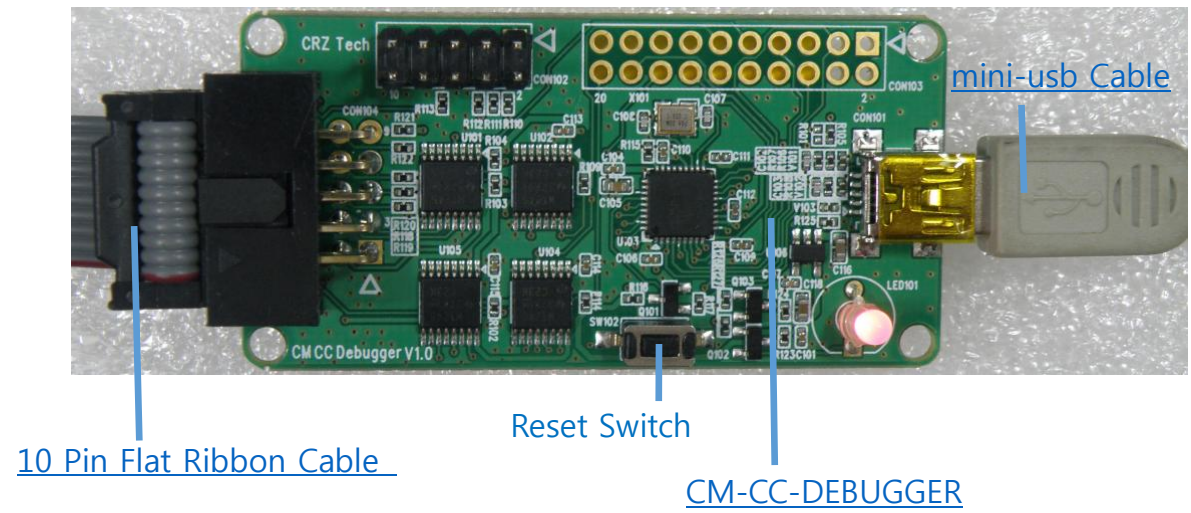


```
COM3:115200baud - Tera Term VT
File Edit Setup Control Window Help
-----
Press menu key
0> System Information
Z> ZigBee Reset Pin Open
-----
1> LED Test
2> MPU 9150 9 Axis Sensor Test
-----
3> Ambient LightL (BH17) Sensor Test
4> Temp & Humidity (HTU21) Sensor Test
-----
5> Actuator Test
6> Actuator Test - ZigBee Comm TX
7> Actuator Test - ZigBee Comm RX
8> PIR Sensor (AMN4xx1) Test
9> Pressure & temp (LPS25H) Sensor Test
A> SEVEN SEGMENT TEST(AS115)
-----
x> quit
```

Input "z". ZigBee Reset Pin Open.

3

Push the Reset Switch, LED glows green



Related Guide

- ❖ [Quick Start Guide zFrog IoT Thing Board \(CR-IOT-AT100\)](#)
- ❖ [적외선 감지 센서와 zFrog IoT Thing Board\(CR-IOT-AT100\) 이용한 침입 감지 시스템](#)
- ❖ [zFrog IoT Thing Board ZigBee 통신 Test Guide](#)





For more information , visit
<http://www.mangoboard.com>
<http://cafe.naver.com/embeddedcrazyboys>