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MCCI

MCCI 3411 Mode
Switch Gen2 Test
Device

MCCI 3411 Mode Switch Gen2 Test Device User Guide

Contents

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MCCI 3411 Mode Switch Gen2 Test Device

Product Information

Specifications

- Product Name: MCCI Mode Switch
- Version: 1.1
- Date: 08/29/2024

Product Usage Instructions

Mode Switching Instructions

1. Connect the MCCI to the PC using a micro-B cable.
2. Go to Device Manager and confirm that you see COM port.
3. Download a terminal program such as Tera Term.
4. Install Tera Term.
5. Launch Tera Term, a New Connection window will open. Choose Serial and select the COM port that the MCCI is connected to. Then press OK.
6. A command prompt will appear.
7. Go to Setup and choose Serial Port.
8. Ensure the settings match the provided picture. Press New setting.
9. After pressing New setting, the command prompt will appear.
10. Change the device mode using setdevicemode command:
    - **setdevicemode 0:** USB-IF compliance device mode
    - **setdevicemode 1:** Loopback device mode
11. Select the desired mode and close the prompt window.

Frequently Asked Questions (FAQ):
Q: How do I know if my MCCI device is in the correct mode?
A: You can verify the device mode by following the steps mentioned under 'Verifying MCCI Device Mode' in the user manual.

MCCI Mode Switch

This document contains instructions on how configure the MCCI Model 3411 USB3.2 Gen2 Test Device
**https://store.mcci.com/collections/usb-test-devices/products/model-3411**
The MCCI device is a multi-mode device. In order to work correctly with USB-IF tools (USB4CV, XHCICV), it must be put into the mode that makes it behave as USB-IF compliance device. In this mode it will work identically to the Microsoft SuperMUTT. If it is not configured correctly, USB-IF tools will fail to identify it as a compliance device.

Mode Switching Instructions

1. Connect the MCCI to the PC using a micro-B cable.
2. Go to Device Manager and confirm that you see COM port.
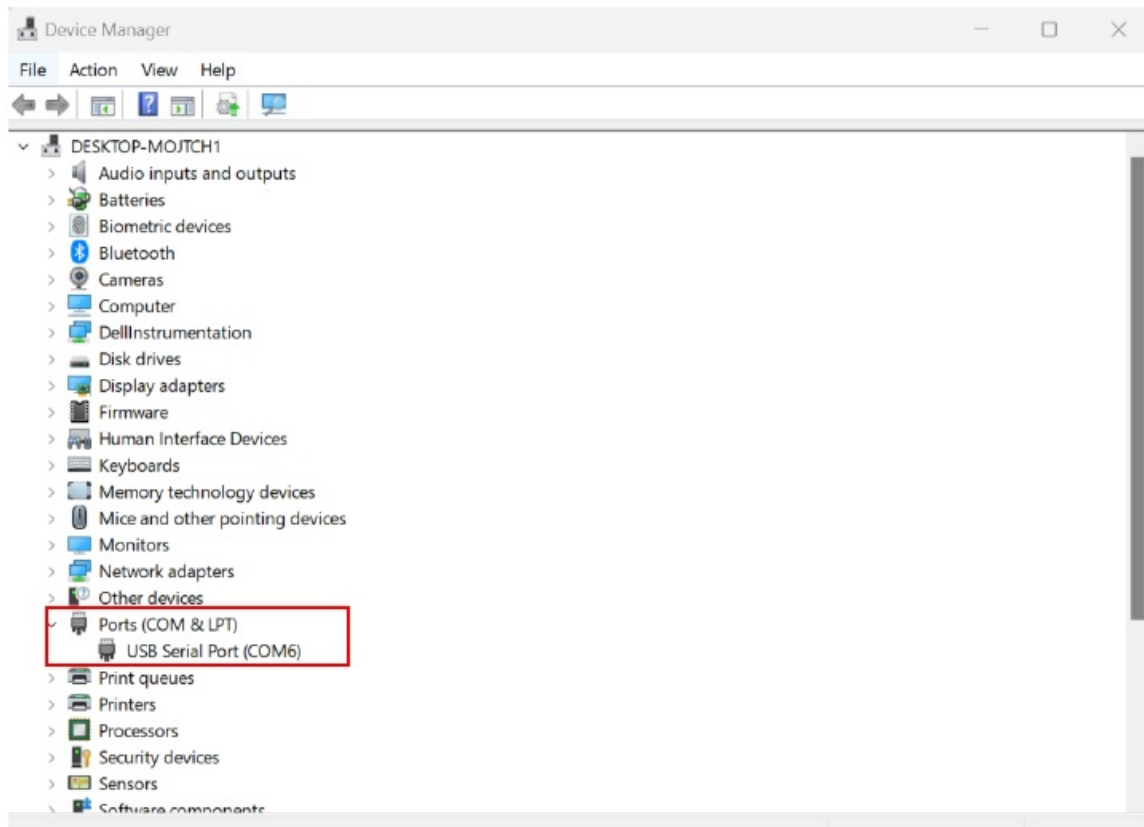
3. Download a terminal program such as Tera Term.
4. These instructions use Tera Term as an example.
5. Install Tera Term.
6. Once you launch Tera Term, a New Connection window will open. Choose Serial and select the COM port that the MCCI is connected to. Then press OK
7. Then a command prompt will appear.
8. Then go to Setup and choose Serial Port
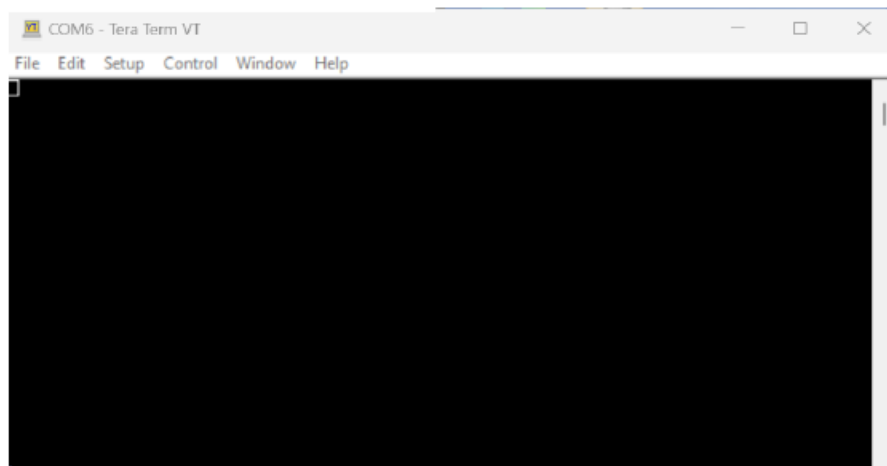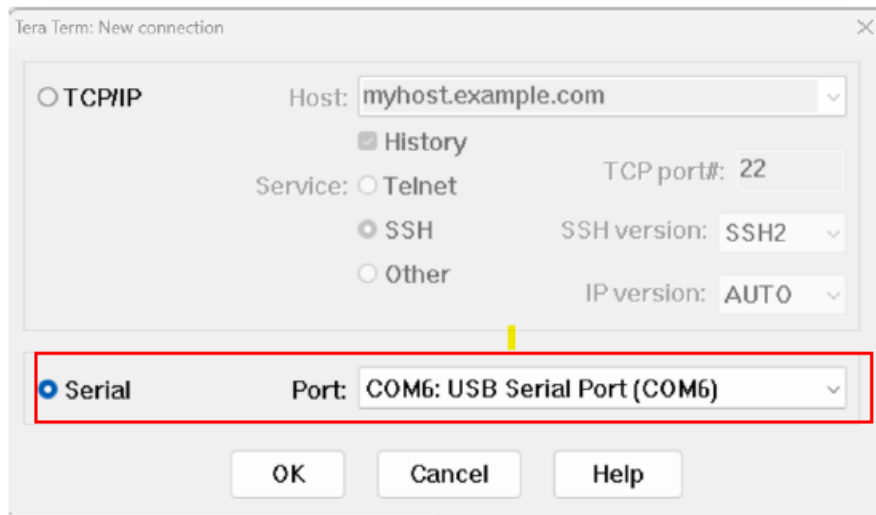
9. Then make sure the setting matches the setting below in the picture. Then press New setting
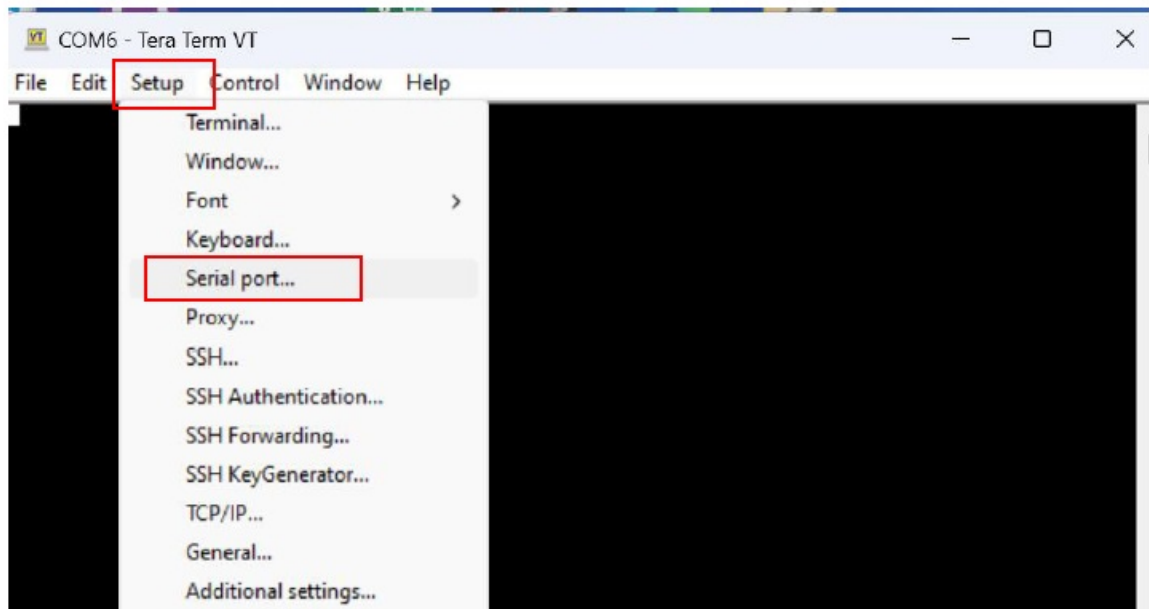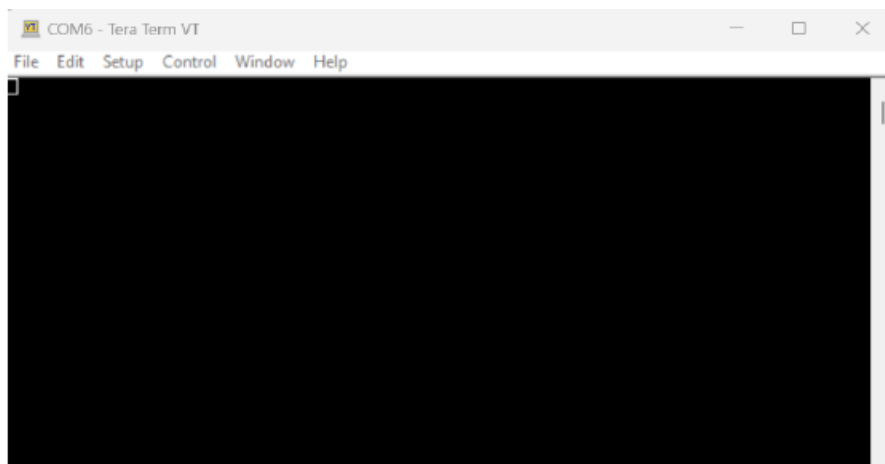

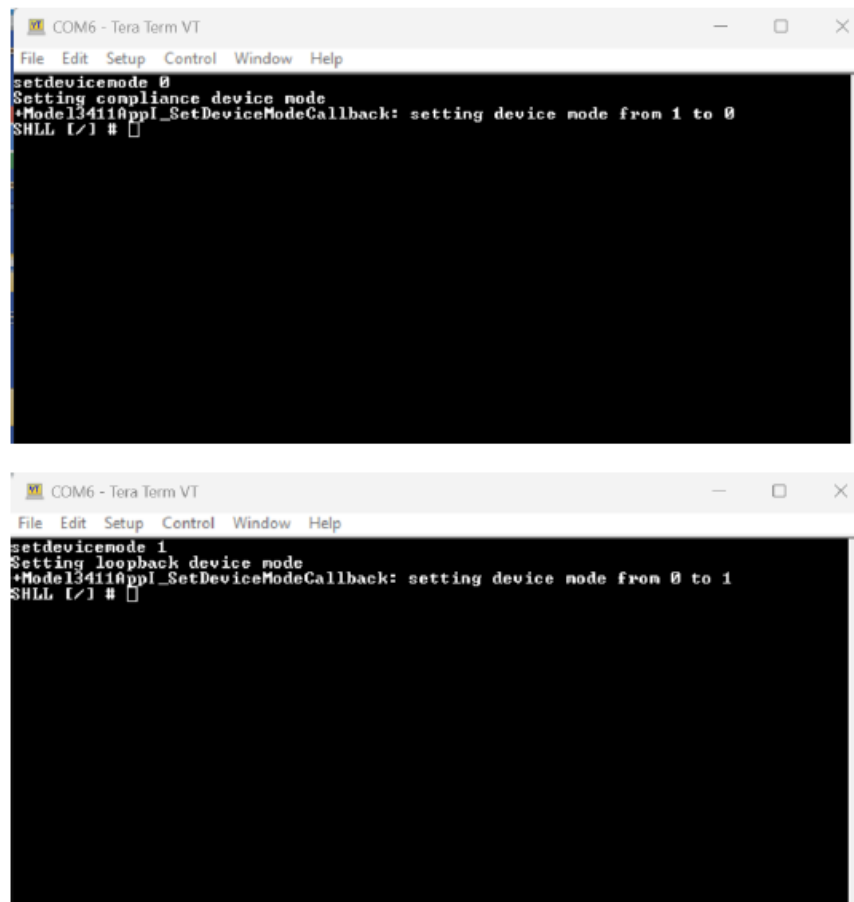10. Once you press New setting, the command prompt will appear.
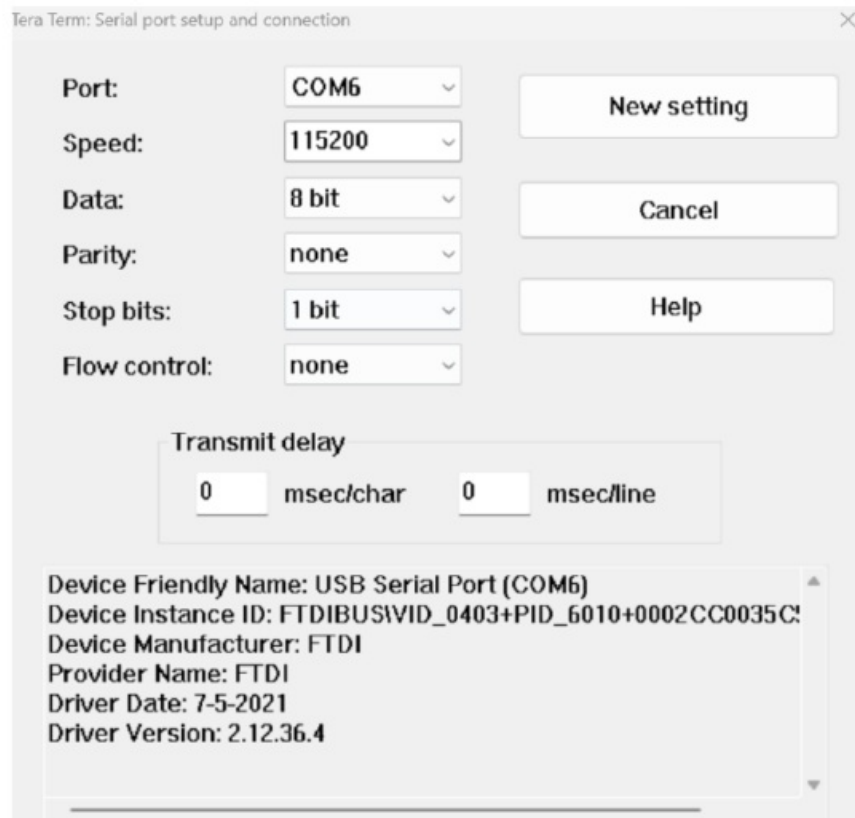
11. Now, you can change the device mode using setdevicemode command.

    setdevicemode 0 → USB-IF compliance device mode setdevicemode 1 → Loopback device mode

12. Once you select which mode you want the MCCI device to be in, you can close the prompt window

Powering MCCI device
Make sure the MCCI device is self-powered by connecting it to a computer through the MicroB port on the MCCI device.

Verifying MCCI Device Mode

The device will present a different VID/PID, depending which mode it is in.
The MCCI device has two modes, a USB-IF compliance device mode and a Loopback device mode. Each mode has its own VID/PID. The VID/PID for the USB-IF compliance device mode is VID=040E, PID=F644 and the VID/PID for the Loopback device mode is VID=040E, PID=F645. Below is a Device summary showing the VID/PID.
If USB4CV or XHCICV does not recognize the device, check the VID/PID and make sure it is configured as a USB-IF compliance device.

Figure 1: USB-IF XHCI compliance device mode

Figure 2: Loopback device mode

Documents / Resources

MCCI Mode Switch	**MCCI 3411 Mode Switch Gen2 Test Device** [pdf] User Guide 3411 Mode Switch Gen2 Test Device, 3411, Mode Switch Gen2 Test Device, Gen2 Test Device, Test Device, Device

References

- **Model 3411 USB3.2 Gen2 Test Device – MCCI**

- **User Manual**