

Express Logic USBX CDC Windows Host Driver Installation Guide

Renesas Synergy Family

Description: This document describes how to install the USBX CDC Windows host driver. This document is written for SSP v1.0.0 USB applications.

This document is preliminary and will be expanded and tested prior to release on the Synergy Gallery.

- Step 1.1 Create a project using the USBX device class. If already have a USB project, continue to the next step.

Create a new Synergy BSP project for your board. Add a Thread on the Threads tab, and add the following modules:

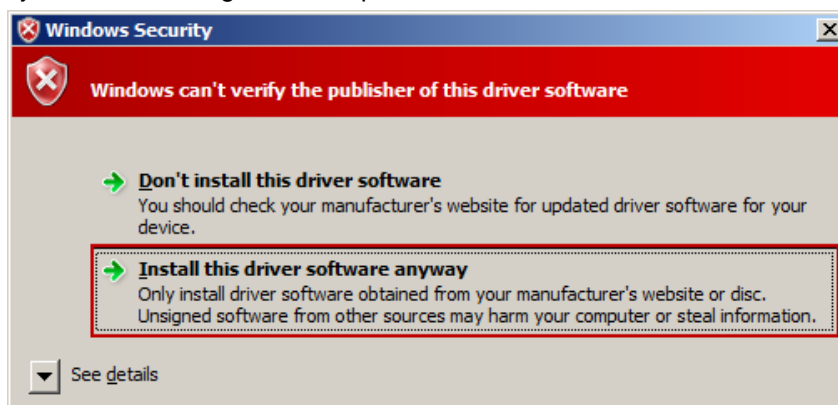
- **New > Framework > Connectivity > Communications Framework on sf_el_ux_comms**
- **New > Framework > USB > USB Device Class CDC ACM on ux_device_class_cdc_acm**
- **New > Framework > USB > USBX on ux**
- **New > Framework > USB > USB Port HS and FS on sf_el_ux.** Enable **USBFS INT** in the Properties tab for this module.

Build the project. It should build with no errors.

Connect to the board from the configuration in Run > Debug Configurations > Renesas GDB Hardware Debugging > <YourProjectName>. Click Debug, then click Resume twice to run the code.

- Step 1.2 Open the **Device Manager**. Type "Device Manager" in the start menu.
- Step 1.3 Right click the unknown device ("EL Composite Device"), and select **Update Driver Software**.
- Step 1.4 Click **Browse my computer for driver software**.
- Step 1.5 Click **Let me pick from a list of device drivers on my computer**.
- Step 1.6 Click **Next**
- Step 1.7 Click **Have Disk**.
- Step 1.8 **Browse** to one of the provided files:
 - **CDC_ACM_Template_Win7_64bit.inf** if you have a 64-bit Windows PC.
 - **CDC_ACM_Template.inf** if you have a 32-bit Windows PC.
- Step 1.9 Click **OK**.
- Step 1.10 Click **Next**.

Step 1.11 If you see a warning about the publisher of the software, click **Install this driver anyway**.



Step 1.12 In the device manager, you should see a new Communications Port under Ports (COM & LPT). Use the assigned port number to connect to the device.

Step 1.13 If you are using Windows 8 and have trouble installing unsigned drivers, do a Google search for the procedure to install unsigned drivers on Windows 8.