5 October 2026

TUSB9261 Firmware

We acquired the above product about 9 months ago along with the necessary TI equipment and have been busy developing a dedicated product for our company, using the TUSB9261 chip. For this product, we require the standard functionality as offered by your standard firmware, but augmented by custom functions added by us.

At the time of purchase from we requested a copy of the Standard Firmware and were granted that request. We have installed the TI Flash Burner software, and it is working well. We have burned the standard .hex files to the demo board repeatedly, and the product works perfectly.

In order to continue, we need to be able to compile our modified code and burn that to the board instead. When we received the TI software the documentation referred to Code Composer Studio Version 3.3, which was the version used when the chip was introduced. We originally installed that version, in order to have maximum compatibility with the chip firmware. However, that version would not run on Windows 11.

We then installed the newest version of CCS, (Version 21), but could not get it to work with TI firmware. With further research we learned that the newest software has been changed so many times, since product launch, we find that it is not compatible with the original firmware.

The next option was to use CCS Version 7.3 which we installed and again attempted to import the firmware supplied by TI. We managed to get the software to compile the firmware successfully, but with many errors. After changing a number of setup items, we were able to compile without errors.

Below is a summary of out development and texting results:

- TI supplied us with source code for the firmware on the chip.
- This source code was written in the c language.
- However it must be compiled in the CCS environment to generate the .hex file that the flash burner software uploads to the chip.
- Inside the folder supplied to us, there was a .hex file that had been compiled by TI.
- When we use that file, it works on the chip.
- However, when we compile the c code ourselves, using CCS, the .hex file that we get does not work.
- We can see that the file does not have the required vector table.

That may be not the only problem, we cannot know that at present.

We believe that you will be able to assist us to get the settings corrected so that the .hex file runs correctly, as it does the TI supplied .hex file.

We are including the project in zipped format, and request that you evaluate it and change the settings for us so that it compiles to a functional .hex file. The project is named OckTUSB9261.