



# Updating the Gen6 PCIe Host Card mCPU

## Flashing the mCPU

This process will describe how to update the micro-CPU interface on the card.

## Updating the mCPU interface

### Step 1: Connect to the serial interface via the USB-C port at CN7



- Identify the COM port assigned using your systems Device Manager
- Use a terminal emulator to connect to the above COM port
  - (ex. TeraTerm/puTTY for Windows or minicom for Linux)
- Successful connection should show a cmd> prompt
- First, run the 'ver' command to check the version of the mCPU and make sure it is lower than the target version you plan to flash
  - Current Version: v0.1.0 (As of 7/18/2025)

Answering these questions can help in narrowing down the possibilities.

### Step 2: Run the upload command and send the target file

- Run the 'fdl mcu' command
- Send the target file via XMODEM
  - Current File: Gen6HC\_MCU\_v010.bin
  - In TeraTerm: File > Transfer > XMODEM > Send
  - In minicom: Send File > XMODEM
- Once the upload completes, run the 'reset' command to cycle the host card

- Run the 'ver' command again to verify the new version of the mCPU firmware.