



# Updating the Gen6 PCIe Host Card

## Flashing the mCPU and Atlas 3 Switch

This process will describe how to flash the newest firmware for the Broadcom Atlas 3 switch on the card.

## Updating the Atlas 3 firmware

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

- Identify the COM port assigned using your system's 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

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

- Run the 'fdl sbr0' command
- Send the target BIN file via XMODEM
  - In TeraTerm: File > Transfer > XMODEM > Send
  - In minicom: Send File > XMODEM
- Run the 'fdl sbr1' command
- Send the target file BIN via XMODEM
  - In TeraTerm: File > Transfer > XMODEM > Send
- In minicom: Send File > XMODEM
- Once the upload completes, completely power cycle the host card
- Run the 'showport' command to verify the link status of both the upstream (gold finger) and the downstream (end points) are all linking at the desired speed and width.