We have the USB pcbs made and I need to program the flash with the binary file from the GUI.  Do you have any suggestions on programming tools (or approaches) to use?   I have on hand the following USB/SPI Interface boards from Digi-Key:

<https://www.digikey.com/en/products/detail/adafruit-industries-llc/2264/5761217>

<https://www.digikey.com/en/products/detail/ftdi-future-technology-devices-international-ltd/UMFT4222EV-D/8625527>

<https://www.digikey.com/en/products/detail/ftdi-future-technology-devices-international-ltd/UMFT221XA-01/3029135>

Let me know if any of the above boards should work with the GUI and allow  us to program the flash on our board from the GUI.

Another FLASH programmer I found is this one:

[https://www.amazon.com/HiLetgo-Programmer-CH341A-Burner-EEPROM/dp/B014VSGH4Y/ref=asc\_df\_B014VSGH4Y/?tag=hyprod-20&linkCode=df0&hvadid=644686391885&hvpos=&hvnetw=g&hvrand=8972131323837289610&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9015279&hvtargid=pla-1433377589491&psc=1&gclid=EAIaIQobChMIhtmgzYfbgQMViJ5aBR1rWANmEAQYASABEgIa5\_D\_BwE](https://link.edgepilot.com/s/3b8a9f46/poCYJmN2e0KGHnbNBPfv3g?u=https://www.amazon.com/HiLetgo-Programmer-CH341A-Burner-EEPROM/dp/B014VSGH4Y/ref=asc_df_B014VSGH4Y/?tag=hyprod-20%26linkCode=df0%26hvadid=644686391885%26hvpos=%26hvnetw=g%26hvrand=8972131323837289610%26hvpone=%26hvptwo=%26hvqmt=%26hvdev=c%26hvdvcmdl=%26hvlocint=%26hvlocphy=9015279%26hvtargid=pla-1433377589491%26psc=1%26gclid=EAIaIQobChMIhtmgzYfbgQMViJ5aBR1rWANmEAQYASABEgIa5_D_BwE)

Let me know if that might also be a good option.  Any suggestions you have on programming tools would be appreciated.

Thank you,

Chris deHaas

216-310-4987