Steps to transfer a hex file to the custom HID device

Use the command line tool to send the hex file.

1. Put the hex file to the same folder of the command file
2. Plug in the downloader to PC

The command to program CPLD is “HidSend.exe program handle.hex”.

The command to get CPLD programmer version is “HidSend.exe version”.

What happened?

1. The command line tool will read the hex file’s first 16 lines line by line. Then send the hex file to the programmer.
2. The format of the sent lines as below:

0x00, length of the content, content

1. The format of the content is as follow:

Line number + hex file [line number]

1. For example: the hex file content of the line number 1 is 0x01,0x02,0x03,0x04,0x05,0x06,0x07,0x08

The sent message is:

0x00, 0x09, 0x01, 0x01, 0x02, 0x03, 0x04, 0x05, 0x06, 0x07, 0x08

1. The hex file total consists of 17 lines, but only the first 16 lines will be sent.
2. The address of each line and the checksum of each line will not be sent. The downloader should send back the received message for confirmation. The actual sent hex like the lines in the box of the following image.
3. End of the instruction

