Adafruit USB Descriptor Library Documentation

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This repo is archived because it is no longer used by CircuitPython. We recommend https://github.com/usb-tools/python-usb-protocol instead.

The `adafruit_usb_descriptor` library provides Python classes that make it easier to generate a binary USB descriptor. It can be used in place of a series of C macros.

CHAPTER 1

Dependencies

This library has no external dependencies. It only uses Python `struct`.

CHAPTER 2

Usage Example

A current usage example that generates descriptors for use with [TinyUSB](https://github.com/hathach/tinyusb) can be found here in CircuitPython.

CHAPTER 3

Contributing

Contributions are welcome! Please read our Code of Conduct before contributing to help this project stay welcoming.

CHAPTER 4

API Reference

4.1 `adafruit_usb_descriptor` - USB descriptor generation

4.1.1 `adafruit_usb_descriptor.standard` - Standard descriptors

This is a good reference: http://www.beyondlogic.org/usbnutshell/usb5.shtml

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4.1.2 `adafruit_usb_descriptor.cdc` - CDC specific descriptors

This PDF is a good reference: https://cscott.net/usb_dev/data/devclass/usbcdc11.pdf

- Author(s): Scott Shawcroft

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