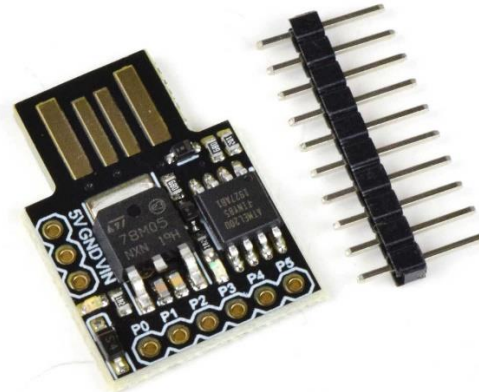# Attiny85 Kickstarter USB Development Board

The ATtiny85 is a low-power, high-performance 8-bit microcontroller with 8 KB of flash memory and 512 bytes of SRAM. The module is ideal for small and compact projects, such as wearable electronics, where space and power consumption are critical factors. The board is commonly used for DIY electronics projects, hobbyist inventions, and educational purposes.

The Attiny85 Kickstarter comes with an integrated USB connector for programming and power supply and can operate on an external power supply of 6-12VDC.

Specifications:

- Support for the Arduino IDE 1.0+ (OSX/Win/Linux) *
- Power via USB or External Source – 5v or 7-35v (12v or less recommended, automatic selection)
- On-board 500ma 5V Regulator
- Built-in USB
- 6 I/O Pins (2 are used for USB only if your program actively communicates over USB, otherwise you can use all 6 even if you are programming via USB)
- 8k Flash Memory (about 6k after bootloader)
- I2C and SPI (vis USI)
- PWM on 3 pins (more possible with Software PWM)
- ADC on 4 pins
- Power LED and Test/Status LED

* It is crucial to read and follow the instructions on the Digistump Wiki website and install the board manager files for the Arduino IDE since it uses its virtual USB instead of a dedicated USB-UART chip.

Go to: get started with Digispark Attiny85 and Arduino IDE (link)