

Xadow Duino SKU 105040001

The Xadow Duino is specially designed for building up awesome **Lighting Devices** using the most popular RGB LED WS2812b. Based on the MCU ATmega32u4 and the built-in micro USB, Xadow Duino allows you to either control the RGB LEDs directly from the software in RePhone Kit Create, or program the board with Arduino IDE to make it work dependently.

Unlike any other add-on modules, this board also has its own battery socket (JST1.0 type), so you can power it in many ways:

- Via 5V USB (if the battery is connected, it would also charge the battery simultaneously)
- Via 3.7V Lipo battery
- Via breakout pins
- Via Xadow GSM+BLE

Include

Xadow Duino* 1

FPC Cable 11 PIN * 2

LED strip * 1

Features:

- Able to work like an Arduino
- Plug-and-play if connected with RePhone Kit Create
- Open source and modular design
- Slim and small
- Specially designed for WS2812B
- Built-in 11PIN Xadow Connectors for full flexible connection with other Xadow Modules
- Stackable, chainable and sewable with other Xadow Modules
- Perfect choice for LED lovers

Specification:

Microcontroller:	ATmega32u4
Power Supply:	5V via USB, current draw is 1.5A at Max 3.3 – 4.2V via battery socket, current draw is 1.5A at Max 3.3 – 6V via breakout pins, current draw is 500 mA at Max 3.3 – 4.2 V via Xadow GSM+BLE, current draw is 500 mA at Max
Charging Current:	500 mA
Flash Memory:	32 KB (ATmega32u4) of which 4 KB used by bootloader
SRAM:	2.5 KB (ATmega32u4)
EEPROM:	1 KB (ATmega32u4)
Clock Speed:	16 MHz
Connector:	2 x 11 PIN Xadow Connector Bonding pads for RGB LED WS2812b

Interfaces:	Interface with Xadow GSM+BLE through I2C (7-bit address 0x23)
Dimension:	25.37mm X 20.30mm / 1" X 0.8"

Documents

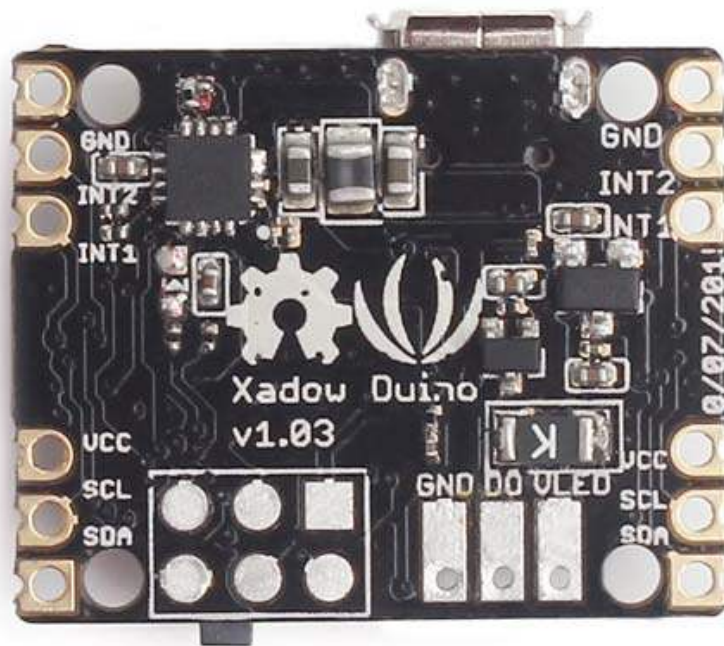
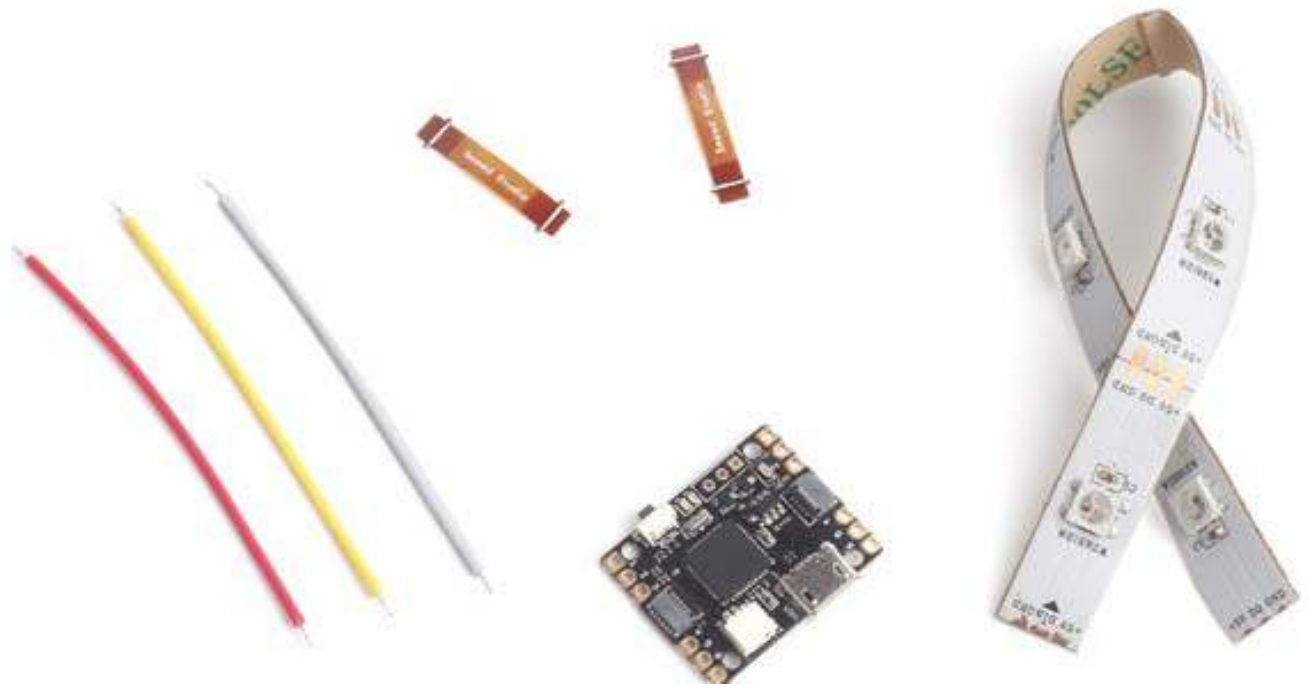
Please visit our [wiki](#) page for more info about this product. It will be appreciated if you can help us improve the documents, add more demo code or tutorials. For technical support, please post your questions to our [forum](#).

Technical Details

Dimensions	120mm x 80mm x 3mm
Weight	G.W 7g
Battery	Exclude

ECCN/HTS

ECCN	Not Available
HSCODE	8538900000



<https://www.seeedstudio.com/Xadow-Duino-p-2556.html> 12-5-18