

This USB device is an RGB LED driver. You can change color and luminosity of both LEDs. You can use it for simple signaling as well as for spectacular light effects.

The device is made of three parts: the driver and two sub-boards with one RGB LED on each. Sub-boards can be moved away from the main board, allowing you to install the LEDs wherever you want. You just have to daisy-chain the LEDs.

This device is sold with two RGB LEDs, but actually it can drive up to 146 of these, as long as they are WS2812B, WS2812C, SK6812 (RGB) or SK6812RGBW (RGBW) LEDs. Panels based on these specific LED

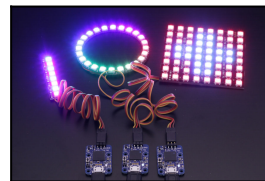
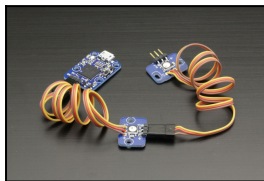
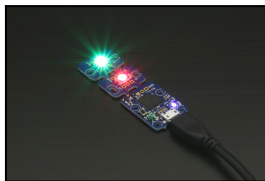
models are commercially available, for instance at Adafruit. If you are desperately looking for a NEOPIXEL driver, then the Yocto-Color-V2 is what you need :-)

This device doesn't need an active USB connection to work. You can program each LED color at start up and even program simple animations that automatically start at device power up. Then, you only have to power the device with a regular USB charger.

Specifications

Product ID	YRGBLED2
USB connector	micro-B
Width	20 mm
Length	60 mm
Weight	5 g
Channels	146
IEC protection class	class III
Normal operating temperature	5...40 °C
Extended operating temperature [†]	-25...80 °C
RoHS compliance	RoHS III (2011/65/UE+2015/863)
USB Vendor ID	0x24E0
USB Device ID	0x0065
Suggested enclosure	YoctoBox-Long-Thin-Black
Harmonized tariff code	8542.3190
Made in	Switzerland

[†] The extended temperature range is defined based on components specifications and has been tested during a limited duration (1h). When using the device in harsh environments for a long period of time, we strongly advise to run extensive tests before going to production.



For more information: www.yoctopuce.com/EN/products/yocto-color-v2