

The Yocto-PWM-Tx can generate two distinct PWM signals using a frequency from 1Hz to 1Mhz. Signals can be generated in a variety of ways:

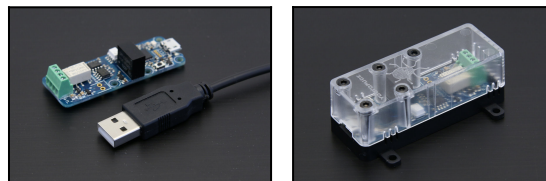
- 3V signal powered by the USB bus
- 5V signal powered by the USB bus
- 4.5 to 18V signal powered by an external power source
- Open-drain: the Yocto-PWM-Tx pulls down the line to 0V to create the signal (max 25V, 300mA)

The two PWM channels are galvanically insulated from the USB bus, even when they provide a voltage powered by the USB bus. This allows you to drive main-powered equipment without risking to fry your computer. The 5V signal and external power modes use a MOSFET-driver output, able to rise a 1000pF load within 40ns.

Specifications

Product ID	YPWMTX01
USB connector	micro-B
Width	20 mm
Length	57 mm
Weight	8 g
Channels	2
Max frequency	1 Mhz
Accuracy (duty cycle) at 100KHz	0.6 %
Accuracy (duty cycle) at 1KHz	0.006 %
Resolution	63 ns
IEC protection class	class III
Normal operating temperature	5...40 °C
Extended operating temperature [‡]	-30...85 °C
RoHS compliance	RoHS III (2011/65/UE+2015/863)
USB Vendor ID	0x24E0
USB Device ID	0x003C
Suggested enclosure	YoctoBox-Long-Thick-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-pwm-tx