



The Yocto-PWM-Rx is a 2 channel PWM input. Each channel can report frequency, duty cycle, and pulse length. It works from 0.05Hz to 250Khz and accepts any -30..+30V signal as long as it crosses the 0.7V threshold.

Each channel also features a pulse counter linked to a time counter. This allows it to integrate over time the output of sensors such as flow-meters. The pulse counter works from 0 to 250kHz.

The two PWM inputs are galvanically insulated from the USB bus. This allows you to connect the Yocto-PWM-Rx to main-powered equipment without risking to fry your computer.

### Specifications

Product ID	YPWMRX01
USB connector	micro-B
Width	20 mm
Length	54 mm
Weight	7 g
Channels	2
Frequency	0.05 ... 250'000 Hz
Refresh rate	50 Hz
Input impedance	110 K&ohm;
Max working voltage	-30 ... +30 V
Threshold voltage	0.7 V
IEC protection class	class III
USB insulation, dielectric strength (1 min.)	1 kV
Normal operating temperature	5...40 °C
Extended operating temperature <sup>‡</sup>	-30...85 °C
RoHS compliance	RoHS III (2011/65/UE+2015/863)
USB Vendor ID	0x24E0
USB Device ID	0x0049
Suggested enclosure	YoctoBox-Long-Thick-Black
Harmonized tariff code	8542.3190
Made in	Switzerland

<sup>‡</sup> 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-rx](http://www.yoctopuce.com/EN/products/yocto-pwm-rx)