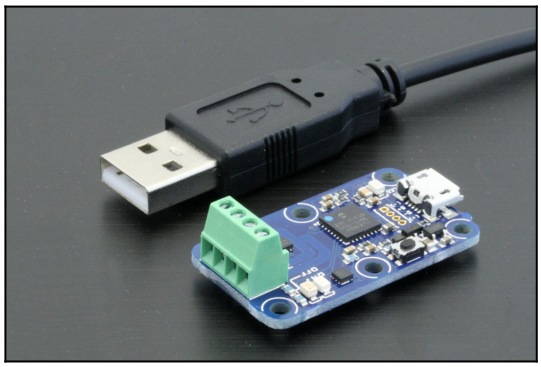
Yocto-WatchdogDC



This device is a USB-controlled watchdog timer. When installed across a DC power cable, it can cut and restore the power whenever the control application fails to contact it.

The typical application is to power-cycle a crashed computer. As long as the control application running on the the computer contacts the device on a regular basis, the power stays on. If, for some reason, the application stops contacting the device, the power is cut for a short time. This causes the computer to reboot.

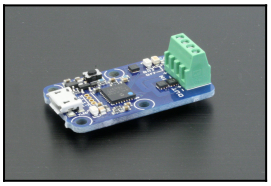
The integration of this watchdog into existing solutions is easy, thanks to the fact that it does not require any device driver. The watchdog timer can be reset either using a command line, or using a simple function call to the Yoctopuce library. The Yoctopuce library is available in for most programming languages, in source code form.

You can also use this device as a cheap solid-state relay. Please note that this device is not insulated: the output and the USB share the same ground.

Specifications

Product ID	WDOGDC01
USB connector	micro-B
Width	20 mm
Length	36 mm
Weight	6 g
Max Current (continuous)	4 A
Max working voltage	12 V
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	0x0033
Suggested enclosure	YoctoBox-Short-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-watchdogdc