

The Yocto-IO device provides 4 digital I/O, electrically insulated from the USB bus. Each I/O bit can be configured individually as a simple input, an open-drain input (internal pull-up), a TTL/CMOS-like output, or an open-drain output (open collector).

Without external power source, each I/O pin can receive or produce a digital signal at 3V or 5V levels (low current).

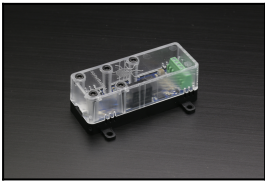
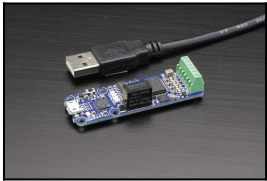
With an external power source, the device can work with voltages up to 28V and deliver up to 250mA per channel, which makes it possible to drive small relays for instance.

If you need more channels, you can use the Yocto-Maxi-IO-V2.

Specifications

Product ID	YMINIO0
USB connector	micro-B
Width	20 mm
Length	60 mm
Weight	9 g
Channels	4
Chipset	NCV7608
Refresh rate	250 Hz
Output impedance	<>10 &ohm;
Max working voltage	28 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	0x0072
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-io](http://www.yoctopuce.com/EN/products/yocto-io)