



This USB device features 8 solid state relays, able to switch up to 160 VDC or 30 VAC, for small loads (up to 100 mA). It is an ideal solution to drive high-power relays. The state of each output is shown by a LED. This device does not require any external power.

Beware that each solid state relay can only switch at most 100 mA, and that this device should only be used with power sources protected against overvoltages (Cat. I). Note that even when closed, each relay keeps a 25 ohm resistance. This device is mostly meant to drive large electromechanical relays, but other uses are possible.

### Specifications

Product ID	YMXCOUPL
USB connector	micro-B
Thickness	10.1 mm
Width	58.3 mm
Length	50 mm
Weight	15 g
Channels	8
Max switching current	0.1 A
Max withstanding voltage	120 V AC
Max working voltage	60 V DC
IEC protection class	class III
Normal operating temperature	5...40 °C
Extended operating temperature <sup>‡</sup>	-30...85 °C
RoHS	Yes
USB Vendor ID	0x24E0
USB Device ID	0x0031
Suggested enclosure	YoctoBox-MaxiIO-Transp
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-maxicoupler](http://www.yoctopuce.com/EN/products/yocto-maxicoupler)