This device is a USB to serial adapter, similar to RS232 but it uses logical (TTL/CMOS) signal levels at 0/3.3V or 0/5V. It does not require a driver and does not install a virtual COM port.

It can autonomously interpret serial data coming from any external serial board and expose measures as if they were coming from a Yoctopuce sensor, with all the inherent advantages: unique identifier, polling, callbacks, data logger. Be aware that this device does not work with applications designed to use a COM port: it is designed to be used with Yoctopuce API only.

If needed, the device can also provide a 3.3V or 5V voltage source to power the external serial board. The 3.3V source can provide up to 200mA.
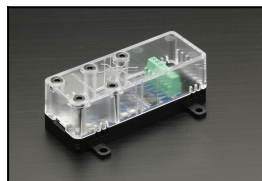
The device can work with standard logical levels (signal high when the line is idle), or with inverted levels. RTS/CTS can only be used with standard logical levels. The device can also analyze a serial bidirectional communication between two tiers without interference.

If you need to interface a serial port working with RS232 levels, choose a Yocto-RS232.

Electrical Interfaces

Specifications

Product ID	YSERIAL1
USB connector	micro-B
Width	20 mm
Length	51 mm
Weight	6 g
Max frequency	115200 bps
Buffer	16 KB
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	0x0054
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-serial