This device is a USB to RS485 adapter, that does not require a driver and does not install a virtual COM port.

It can send and receive data on a RS485 bus. In addition, it can also autonomously query devices (for instance using MODBUS) and interpret the received replies to expose them 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.

The device is electrically insulated: it can be connected on an RS485 bus using a different ground circuit. The Yocto-RS485-V2 conforms to ANSI/TIA/EIA-485-A-98 and ISO 8482:1987(E) standards. In addition, the connexion to the RS485 bus is protected against ESD up to ±16 kV (contact) and against electrical fast transiants up to ±4kV.

Specifications

Product ID	RS485MK2
Hardware release[†]	
USB connector	micro-B
Width	20 mm
Length	60 mm
Chipset	ISO1410
Max frequency	115200 bps
IEC protection class	class III
USB insulation, clearance dist.	6 mm
USB insulation, creepage dist.	6 mm
USB insulation, dielectric strength (1 min.)	4 kV rms
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	0x0094
Suggested enclosure	YoctoBox-Long-Thick-Black
Harmonized tariff code	8542.3190
Made in	Switzerland

[†] These specifications are for the current hardware revision. Specifications for earlier revisions may differ.

[‡] 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-rs485-v2