



This device is a USB to RS232 adapter, that does not require a driver and does not install a virtual COM port.

It can autonomously interpret serial data coming from any RS232 appliance 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 the Yoctopuce API only.

The device is electrically insulated, which means that it can be connected without risk to an appliance powered on a different circuit.

The Yocto-RS232 conforms to the TIA/EIA-232-F standard (-5.5V and 5.5V output, and up to -25V... +25V as input). It is therefore compatible with all standard RS232 interfaces, but it cannot be wired directly to chips using logical CMOS/TTL levels.

The RJ12 to DB9 adapter for bidirectional communication (including CTS/RTS) is included.

The device can also analyze an RS232 bidirectional communication between two tiers without interference (using two input channels), but the adapter for this usage is not included.

If you need to interface a serial port working with CMOS/TTL levels, choose a Yocto-Serial.

Specifications

Product ID	RS232MK1
USB connector	micro-B
Width	20 mm
Length	60 mm
Weight	36 g
Chipset	MAX3232
Max frequency	115200 bps
Buffer	16 KB
IEC protection class	class III
USB insulation, dielectric strength (1 min.)	1 kV
Normal operating temperature	5...40 °C
Extended operating temperature [‡]	-25...85 °C
RoHS compliance	RoHS III (2011/65/UE+2015/863)
USB Vendor ID	0x24E0
USB Device ID	0x0047
Suggested enclosure	YoctoBox-Long-Thick-Black-RS232
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-rs232