

# USB/RS232 ISO

Industrial data converter

## Highlights

- Converts RS-232 to USB interface
- Complies to USB 1.1 and USB 2.0 standards
- Automatic adjustment of data rate and format
- Galvanic isolation up to 1.5kV DC
- Plug & Play installation
- Power supplied from USB port – no additional supply is required
- Compatible with Windows and Linux Operating Systems



## Description

USB/232 ISO is a communication converter intended for interconnecting industrial serial buses and devices with RS-232 connection to PC's USB port.

Connecting this converter to PC additionally exceeds the capacity of RS-232 ports. Data rate and format adjustment is performed according to requirements of RS-232 device. Module is power supplied from USB port and galvanic isolated from RS-232 devices (network). It is compatible with most operating systems enabling two access modes: as virtual serial COM port (VCP drivers up to 115 kbps), and as direct USB port (D2XX drivers up to 1 Mb/s).

## Application

USB/232 ISO is completely adjusted for applications in industrial communications and process automation, alarm systems and telemetry.

It is used for:

- Interconnecting distributed I/O modules and PLCs to PC;
- Galvanic isolation of PC from RS-232 networks;
- Connecting PC without COM ports to RS-232 communication bus;
- Increasing number of COM ports on PC;
- Field data readout using laptop;

## Technical specification

<b>Communication connectors</b>	USB (type B); RS-232 (standard DB-9 male connector)
<b>Compliance</b>	USB 1.1 and USB 2.0 standard
<b>Data rate and format</b>	Automatically determined by RS-232 device
<b>Maximum distance</b>	20m @ 9600 b/s
<b>Supported operating systems</b>	Windows and Linux
<b>Cable in set</b>	USB cable (type A to type B) 1.5 m
<b>LED indicators</b>	ON, Tx, Rx
<b>Galvanic isolation</b>	1.5kV DC
<b>Power supply</b>	From USB port – no additional mains adapter is required
<b>Operating temperature</b>	-25 to 70°C
<b>Dimensions</b>	76 x 42 x 20 mm

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