

USB/422-485 ISO

Industrial data converter

Highlights

- Converts RS-422/485 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/422-485 ISO is a communication converter intended for connecting RS-422/485 devices to PC's USB port.

Data rate and format adjustment is performed according to requirements of RS-422/485 device. Module is power supplied from USB port and galvanic isolated from RS-422/485 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/422-485 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-422/485 networks;
- Connecting PC without COM ports to RS-422/485 communication bus;
- Increasing number of COM ports on PC;
- Field data readout using laptop.

Technical specification

Communication connectors	USB (type B); RS-422/485 (pluggable screw clamp, 6 wires)
Compliance	USB 1.1 and USB 2.0 standard
Data rate and format	Automatically determined by RS-422/485 device
Maximum distance	1.2km @ 9600 b/s
Supported operating systems	Windows and Linux
Cable in set	USB type A to USB tip B (1.5 m)
LED indicators	PWR, TxD, RxD
Galvanic isolation	1.5kV DC
Power supply	From USB port – no additional mains adapter is required
Operating temperature	-25 to 70°C
Dimensions	90 x 43 x 20 mm

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