DC USB/232 ISO — Industrial data converter

Features

- **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 98/ME/2000/XP and Linux operating systems**

Description

DC 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).

Applications

DC 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 specifications

Communication connectors	USB (type B); RS-232 (standard DB-9 male connector)
Compliance	USB 1.1 and USB 2.0 standard
Data rate and format	Automatically determined by RS-232 device
Maximum distance	20m @ 9600 b/s
Supported operating systems	Windows 98/ME/2000/XP and Linux
Cable in set	USB cable (type A to type B) 1.5 m
LED indicators	ON, Tx, Rx
Galvanic isolation	1.5kV DC
Power supply	From USB port – no additional mains adapter is required
Operating temperature	-25 to 70°C
Dimensions	76 x 42 x 20 mm

DECODE data communications, Bulevar AVNOJ-a 12E, 11070 Belgrade, Serbia
Tel/Fax. +381 11 3110027, 3115636; web: http://www.decode.co.yu; E-mail: office@decode.co.yu