EX9531

The EX-9531 convert is an intelligent, stackable expansion module that connects to a PC USB port or USB Hub via the Universal Serial Bus(USB) port, providing one High-Speed RS-422 or RS-485 serial port(jumperless) The EX-9531 features easy connectivity for traditional serial devices.

The RS-232 standard supports full-duplex communication and handshaking signals (such as RTS, CTS) and The RS-485 control is completely transparent to the user and software written for half-duplex COM works without any modification.

The EX-9531's Opto-isolators provide 3000 Vdc of isolation to protect the host computer from ground loops and destructive voltage spikes on the RS-422/485 data lines.

EX-9531 also offer internal surge-protection on their data lines. Internal high-speed transient suppressors on each data line protect the modules from dangerous voltages levels or spikes.

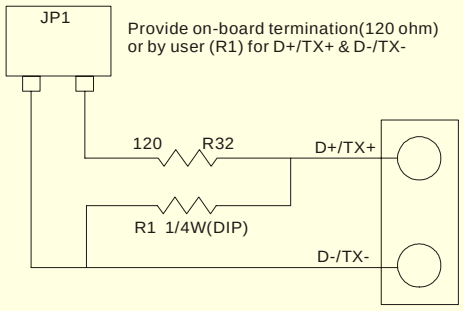
The EX-9531 module derives the power from USB port and doesn't need any power adapter

Features

- USB Specification 1.1 Compliant
- Auto direction flow control on RS-485
- Full-Duplex RS-422 support
- RS-422 support RTS & CTS handshake signals
- Minimum 3000 VDC isolation protection
- Transient suppression on RS-485 data lines
- Auto switching for USB to RS-422 or RS-485(jumperless)
- Auto Switching Baud Rate up to 115.2 Kbps
- Reserved space for termination resistors

R1(TX/DATA), R2(RX), R3(CTS), R4(RTS)

- Power and data flow indicator for troubleshooting
- Driver support for Windows 95/98/ME/2000/XP, Linux
- Power requirement: Self Power



Termination Resistor "R1" for D+/TX+ & D-/TX-

Termination Resistor "R2" for RX+ & RX-

Termination Resistor "R3" for CTS+/CTS-

Termination Resistor "R4" for RTS+/RTS-

If the length of RS-485 is about 1.2KM, try 120 ohm first.

If the length of RS-485 is about 600M, try 220 ohm first.

If the length of RS-485 is about 300M, try 330 ohm first.

Block diagram: