

EX9000 SERIES

USB to RS422/485 Module

EX9531



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
- Mounts easily on DIN-rail or panel

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.

Specifications:

- USB Controller: Compatibility USB Specification 1.1 Standard
- USB interface connector: USB type B
- Isolation Side: RS-422/485
- Converted signals: RS-422 or RS-485 Auto switching(jumperless)
- Handshakel: RS422 support RTS & CTS handshake signals
- Auto Switching Baud rate (bps):300 ~115.2 K BPS
- Transmission and Receiving LED indicator
- Isolation voltage: 3000 V DC
- RS-422/RS-485 connector: plug-in screw terminal
- Accessories (Supplied):NYLON DIN-rail Mounting Adapter SECC Panel Mounting Bracket
- Plug-in screw terminal wiring: Accepts AWG 1-#12 to #22 (0.5 to 2.5 mm) wires
- Power requirement: USB bus power
- Case: ABS with captive mounting hardware
- Power consumption: 0.65 W
- Operating temperature:0 ~ 70 °C (32 ~ 158 °F)
- Storage temperature:-25 ~ 85 °C (13 ~ 185 °F)
- Humidity: 5 ~ 95%, non-condensing