

Universal RS-232 to RS-422/RS-485 Converter, Opto-Isolated

This device is perfect for multiple serial conversions—plus it's opto-isolated.



FEATURES

- » Converts RS-232 to 4-wire RS-422 or to 2- or 4-wire RS-485.
- » Bidirectional data conversion.
- » Select RS-485 2-wire half-duplex or RS-485 4-wire full-duplex operation.
- » Optically isolated circuits protect it from overvoltage damage caused by ground loops, surges, and spikes.
- » RS-422 operation with transmit and receive always enabled.
- » Set operating mode with four switches.
- » Automatic RS-485 driver control, so it works without any special programming for handshaking signals. Also enables transmitter from RS-232 TD signal and receiver when not transmitting.
- » Built-in bridging switches for 2- or 4-wire operation with no external jumpers to set.
- » Converts using either port power or power from an external 120-VAC/12-VDC power supply (PS1003, ordered separately). No external power is required if two RS-232 output handshake lines are available.

TECH SPECS

Interface — RS-232, 4-wire RS-422, or 2- or 4-wire RS-485
Connectors — (1) DB9 female; (1) 5-wire connector for TD A(-), TD B(+), RD A(-), RD B(+), and GND; (1) 2-wire connector for Power and GND
Indicators — (2) LEDs: (1) TD, (1) RD
Power — From the interface or from optional 120-VAC/12-VDC wallmount power supply
Size — 1.7" H x 3.9" W x 0.9" D (4.3 x 9.8 x 2.3 cm)
Weight — < 0.1 lb. (< 0.1 kg)

Item	Code
Universal RS-232 to RS-422/RS-485 Converter, Opto-Isolated	IC821A
For an optional power supply, order... 120-VAC/12-VDC Wallmount Power Supply	PS1003