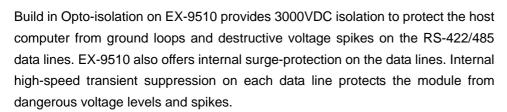# EX9000 Series

RS232/422/485 Repeater

EX9510/A

The EX-9510 repeater boosts the RS-422/485 signals to extend the range of the network to a distance up to 4000 ft (1200m) and increases the maximum number of connected nodes up to 128. With a special circuitry, EX-9510 is able to automatically detect the data flow and accordingly switch the direction of the data lines.

"Auto baud rate detector" enables EX-9510 automatically to configure RS-422/485 baud rate without setting external DIP-switches.

Build in Opto-isolation on EX-9510 provides 3000VDC isolation to protect the host computer from ground loops and destructive voltage spikes on the RS-422/485 data lines. EX-9510 also offers internal surge-protection on the data lines. Internal high-speed transient suppression on each data line protects the module from dangerous voltage levels and spikes.

Features

- Automatic internal RS-422/485 bus supervision
- No external flow control signals required for RS-485
- Minimum 3000VDC isolation protection
- Transient suppression on RS-485 data lines
- Supported baud rate up to 115.2Kbps
- Reach distance up to 4000 feet (1200m)
- Reserved space for termination resistors (R8,R9)
- Power and data flow indicator for troubleshooting
- Power requirement: +10V to +30VDC
- Mounts easily on DIN-rail or panel

Block Diagram: