

# RS-232 to Fiber Converter



**Model CL-RS232**

CL-RS232 media converter is a solid solution for applications that require a reliable link of remote terminals to host computers. The unit offers cost-efficiency for extending distances ranging from 2km (multimode), 20km (singlemode), and 110km (long haul singlemode fiber, one-strand fiberoptic solution). Together with its simple-to-setup and install characteristics, the converter makes it easy to combine the advantages of fiber technology within a RS-232 copper-based network.

By facilitating the integration of the existing copper cabling with

newer fiberoptic cabling, the CL-RS232 represents a cost-effective solution for network administrators eager to keep costs down when upgrading. The converter is ideal for connecting data communication devices situated amongst manufacturing intensive environments where electromagnetic and radio frequency interference is a major concern. Data integrity is also assured due to the nature of fiberoptic cable making any compromise in transmission detectable.

## Features

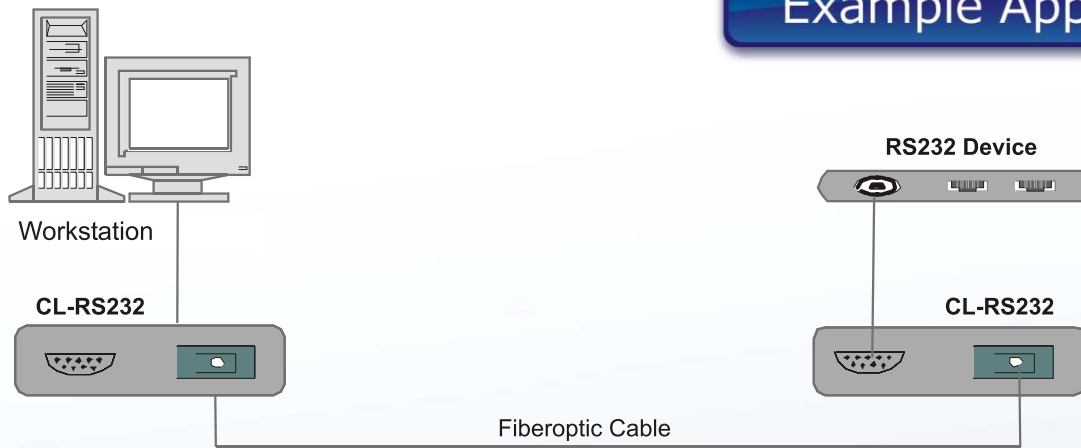
- Complies with EIA/TIA-232, EIA/TIA-574 & CCITT V.28 standard
- Supports asynchronous data transfer rate up to 120 Kbps
- DTE, DCE setting push-button
- 35mm DIN RAIL mounted
- LED status indicators for power (PWR), link (LNK) and receive (RCV)
- Available ST/SC connectors
- External power supply
- Chassis compliant (internal power supply)
- FCC Class A & CE approved

## Model Selection

<b>CL-RS232/MM</b>	RS-232 to Multimode Fiberoptic Converter (ST/SC Connector)
<b>CL-RS232/40</b>	RS-232 to Singlemode Fiberoptic Converter (SC Connector, 40km)
<b>CL-RS232/80</b>	RS-232 to Singlemode Fiberoptic Converter (SC Connector, 80km)

Other Connectors and Distances Available Upon Request

## Example Application



## Specifications

<b>Standard</b>	IEEE 802.3u EIA/TIA -232; EIA/TIA-574
<b>Ports</b>	1x SC/ST singlemode, multimode or WDM Simplex SC one-strand fiber 1x 9-pin serial connector; D-sub, female
<b>Distance</b>	Fiber: 2km MM (62.5/125 um), 20km/30km/80km SM (9/125 um) Serial: 15m (RS-232); 1.2km (RS-422, RS-485)
<b>Data Rates</b>	Fiber: 100 Mbps Serial: 50 ~ 115.2 kbps (asynchronous)
<b>Signals</b>	RS-232: TxD, RxD, CTS, RTS, DTR, DSR, RI, DCD, GND RS-422: TxD+/-, RxD+/-, GND RS-485: Data+/-, GND
<b>DIP Switches</b>	DIP1 Enables/disables console/data communication mode DIP2 Enables/disables RS-232 DIP3 Enables/disables RS-422/485 (4-wire) DIP4 Enables/disables RS-485 (2-wire) DIP7 Enables/disables termination (TMR)
<b>Configuration</b>	Parity: one, even, odd Data Bits: 7,8 Stop Bits: 1,2 (None Parity Only)
<b>Power</b>	AC power adapter: 12V DC@800 mA
<b>Environment</b>	Operating: Temperature: 0°C to 50°C Relative Humidity: 10% to 80%, non-condensing Storage Temperature: -20°C to 80°C Relative Humidity: 5% to 90%, non-condensing
<b>Regulatory Compliance</b>	FCC Part 15 of Class A: CE Approved
<b>Dimensions</b>	74 x 110 x 23mm
<b>Weight</b>	145g