RS232 to Multi-Mode Fiber Converter

FEATURES

- Converts RS232 to Multi-Mode fiber
- Bi-directional
- 9-Pin DTE pinout for RS232
- Compact Size: 1” x 2.5” x 3”
- DC power input or DC adapter power
- 12, 24 or 48 VDC power supply
- Under 1 watt (measured 70 ma @ 12VDC)
- -34.4 dB Receive Sensitivity, 2 Km range
- -16 minimum transmit level
- Use with 50/125, 62.5/125, 100/140 fiber
- Data rates of 0 to 230.4 Kbps
- Provides noise and ground loop immunity for serial circuits

Typical application is from one RS232 device to another RS232 device over Multi-Mode fiber. Typical performance is -34.4 dBM receive sensitivity, 2 km distance with 62.5/125 fiber cable. Control leads are not passed through or converted.

On the interface converter, the green connector is DC power, the 9-pin connector is RS232. Pin 2 is Receive Data, data into the adapter, pin 3 is Transmit Data, data out of the adapter, and pin 5 is Signal Ground. Pin 7, RTS, has a positive voltage out of the unit. These pins are identical to those on a 9-pin pc interface. All the other pins on the 9-pin connector are ignored.

Several cable adapters are available for connecting the unit to other devices.

SPECIFICATIONS

Connectors:
3-wire power connector (+, -, Fr Ground)
Multi-mode ST fiber, 1 Tx, 1 Rx fiber
9-pin RS232 connector, DTE data (pins 2 and 3) and ground (pin 5), positive RS232 voltage on pin 7, RTS
1” x 2.5” x 3”
-40 to +85 C operation

How to Order

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<th>Part #</th>
<th>Description</th>
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<td>9802087</td>
<td>9-19 VDC powered adapter, no power supply included, Temperature Rated -40 C to +85 C</td>
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<td>9001156</td>
<td>120VAC to 12 VDC supply</td>
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