

Miniature Fiber Optic Modem with V.54 Diagnostics

Model 1140



- Async. or Sync. RS-232 Operation
- Dual Fiber Optic Interface
- V.52 and V.54 Loopback Test Modes
- Data Rates to 19.2 Kbps
- Range up to 2 Miles (3.2 Km)
- No AC Power Required
- Continuous or Controlled Carrier
- Int., Ext., or Received Loopback Clocking in Sync. Mode
- ST Connectors For Fiber

The Model 1140 miniature fiber optic modem goes all out to ensure RS-232 communication integrity. Combining the inviolability of fiber with the troubleshooting capabilities of V.52 and V.54 diagnostics, the Model 1140 is the best choice for your most critical RS-232 links.

Besides communication integrity, the Model 1140 offers substantial flexibility. Supporting distances to 2 miles (3.2 km) and data rates to 19.2 Kbps over two fibers, the Model 1140 operates Async or Sync full- or half-duplex with the carrier options of "Continuously On" or "Controlled by RTS". The Model 1140 fiber modem draws all necessary operating power from the RS-232 interface and requires no AC power or batteries. While in synchronous mode, the Model 1140 supports three clocking methods: internal, external and receive recover. The 1140 is housed in a sturdy pop-open/snap-shut ABS plastic case that allows easy access to the configuration switches, plus ridges for sure grip.

Specifications:

Transmission Line:	Dual multi-mode optical cable
Transmission Mode:	Sync or async, full- or half-duplex
Range:	2 miles (3.2km) over continuous fiber (depending on fiber specifications)
Receiver Sensitivity:	- 45 dBm
Coupled Output Power:	-30 to -36 dBm (depending on fiber specifications)
Optic Wavelength:	850 nm
Indicators	One LED indicates transmission of data
Interface:	EIA RS-232/CCITT, V.24 female; Fiber Optic, ST connectors
Data Rates:	0 - 19.2 Kbps
Power:	Derived from EIA data and controls
Dimensions:	2.66" x 2.1" x 0.73" (6.8 x 5.3 x 1.9 cm)

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