

Short Haul Modem / Non-Powered RS-232 Line Driver



IC-150



HM-150



The IC-150 Short Haul Modem allows you to connect the RS-232 ports of two remote devices for fast and easy file transfers and data sharing. Save on the cost of extra modems by installing a pair of these economical units and connecting them up with twisted pair cable. Transfers can take place over distances of up to 10km using either 4 wire (for Full Duplex) or 2 wire (for Simplex) telephone line.

The non-powered HM-150 Line Driver facilitates efficient transmission and reception of serial data without the need of an external power source. The HM-150 is able to drive your data at varying speeds of up to 19200 bps over distances of up to 1.2 miles on 24 gauge wire. At 110 bps, data transmission can take place over distances up to 18 miles (Transmission performance may vary depending on operating conditions and the gauge of the wire).

This compact unit plugs directly into the back of your asynchronous terminal, saving the space that a standalone unit would take, as well as eliminating the bulk and cost of RS-232 cables. Since the HM-150 is powered by the host RS-232 interface, it requires no separate power source. Other features include 1500 VAC lightning surge protection, differential circuitry, and a switch selection for DCE/DTE.

Features

- No External Power Required
- DCE/DTE Switch Selectable
- Long Distance Transfer Via Economical TP Cable
- Full Duplex/Simplex Switch Selectable (IC-150)
- Analog Loop Back (IC-150)
- 1500 VAC Surge Protection -- Differential Circuitry (HM-150)
- Asynchronous Transmission -- Full Duplex (HM-150)
- Compact Size

Specifications

Function		IC-150	HM-150
Connectors		RS-232, DB-25 Female	
		RJ-11 Jack	
		4 Screw Terminal	
Cable Length		10Km (Max) @ 110 bps	Up to 1.2 Miles on 24 Gauge Wire
		800m (Max) @ 19200 bps	18 Miles (Max) @ 110 bps
Switches	SW1	DCE / DTE / Loop Back Select	DCE / DTE Select
	SW2	Full Duplex / Simplex Select	N/A
Interface		RS-232	RS-232 / CCITT V.24
Data Transfer Speed		110-38400 bps	0-19200 bps
Power Consumption		Power from RS-232 interface; No external power required	
Case		Plastic	Metal
Weight		60g	90g
Dimensions (L x W x H)		74.5 x 54 x 18.5 mm	85 x 53 x 26 mm