

## Overview

The Model 1008 and Model 1004A supports data rates to 115.2 kbps and distances up to 9 miles (14.5 Km) on 19 AWG @ 1200 bps over one or two twisted pair. Requiring no AC power or batteries for operation, these Short Haul Modems allow up to 50 terminal drops in a multidrop environment.

The 1008 and 1000 pass data, plus one control signal, in each direction. Five separate configuration parameters let you custom-tailor the SRMs. These include two separate high/low impedance settings, echo on/off and selectable RTS/CTS delay, as well as selectable carrier control and a DCE/DTE switch.

And 600 watts per wire of Silicon Avalanche Diode surge protection is standard !



## Features

- Point-to-Point or Multipoint Operation over 2 or 4 Wires
- Multidrop up to 50 Terminals
- Async. Data Rates to 115.2 Kbps
- Range to 9 Miles (14.5 Km) on 19 AWG at 1.2 kbps
- Transmits and Receives Data plus One Control Signal Each Way
- Selectable RTS/CTS Delay
- Operates with or without "Echo"
- Two Separate Impedance Settings
- "Carrier ON" or "RTS Controlled"
- FCC Approved-Part 15 Class A
- Silicon Avalanche Diode Surge Protection Now Standard
- No AC Power or Batteries Needed
- **Made in the USA** — This Patton equipment is designed by Patton engineers and built in our Gaithersburg, Maryland facility. Patton's American-made manufacturing process delivers high-quality networking solutions with reliability you can trust.

# Specifications

**Transmission Format:** Asynchronous

**Data Rate:** Up to 115,200 bps

**Transmit Line:** 2, 4 wire unconditioned twisted pair

**Transmit Mode:** Full or half duplex

**Transmit Level:** 0 dBm

**Range:** Over 9 miles (14.5 km)

**Dimensions:** 2.66 x 2.10 x 0.73 in. (6.8 x 5.3 x 1.9 cm)

**Surge Protection:** 600W power dissipation for up to 1 msec

**Control Signal:** DSL turns "ON" immediately after the terminal raised DTR; DCD turns on after recognizing the receive signal from the terminal raises RTS

**Power:** None required, uses ultra low power from EIA data and control signals

**Carrier:** The carrier is a strap selected for continuous operation or controlled by RTS