

# Overview

The Patton Model 1010B async, 4-wire, transformer isolated short range modem is the best choice for data-only RS-232 connections between buildings. Capable of distances up to 9.5 miles (see tables below), the Model 1010B has two jumper selectable modes: High Speed mode supports data rates from 2400 bps to 115.2 kbps. Low Speed mode supports data rates from 300 bps to 57.6 kbps. The Model 1010B's transformer isolation provides immunity from ground loops, and 600 Watts of surge protection is standard. No AC power or batteries are required for operation.

## Highlights

### Fit 32 Model 1010s in a 16-Slot 2U High Chassis

If your RS-232 network stretches between buildings, chances are you have established several workgroups or clusters of hardware. If so, we recommend our 1000R16P rack chassis or workgroup ClusterBoxes™-outfitted with Model 1010RC modem cards—as the cleanest way to hook up your system. With the 1010RC's dual card design, you can fit 32 units in a single 19 rack chassis. Rear Interface Card options of RJ-11 and RJ-45 are available.

## Features

- Immune to Ground Loops
- Range to 9.5 miles (15.2 km) over 2 Twisted Pairs (see tables)
- Asynchronous Data Rates to 115.2 kbps
- Dual Modes (High Speed / Low Speed) for Maximum Range
- Surge Protection is Standard
- External DTE/DCE Switch
- **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, full duplex

**Transmission Line:** Two unconditioned twisted pair 19 - 26 AWG (.9 mm-.4 mm)

**Interfaces:** EIA RS-232, CCITT V.24

**Data Rates:** Low Speed Mode, 300 bps - 57.6 kbps; High Speed Mode, 2400 bps - 115.2 kbps

**Isolation:** Minimum 1500V RMS using custom transformers

**Control Signals:** DSR and DCD follow DTR from the terminal(DTE); CTS follows RTS from the terminal (DTE)

**Connectors:** DB-25 male or female on RS-232 side; RJ-11, RJ-45 or terminal block with strain relief on line side

**Surge Protection:** 600W power dissipation

**Dimensions:** 2.66 x 2.10 x 0.73 (6.7 cm x 5.3 cm x 1.9 cm)

**Power Supply:** None required; uses power from EIA data and control signals

**Temperature Range:** 32-122°F (0-50°C)

**Altitude:** 0-15,000 feet (0-4,572m)

**Humidity:** 5 to 95% noncondensing

**Weight:** 2 oz. (56.8 grams)