

Tuff-Modem

P/N 300-234

Site Modem

The Perfect Way

to communicate
with your
remote system.



Trident Micro Systems' Tuff-Modem is designed to endure the hardships of the remote site.

Its Tuff-Steel ruggedized chassis is designed to withstand years of use and abuse. Based on a custom micro controller, the unit is protected against modem lock-up which may occur with other modems. The Tuff-Modem has no internal buffer and passes all data immediately through to the phone line or from the phone line to the RS-232 connector.

The environment at a remote communications site is notorious for hostile conditions. From sweltering heat to sub-zero temperatures, humidity, dust and lightning. The reliability of the Tuff-Modem decreases the down time in communicating with your remote system and means fewer trips to your site to reset ordinary smart modems.

The Tuff-Modem may be integrated into your system quickly and easily. An RS-232 cable connects the DCE port of the Tuff-Modem to the remote equipment and an RJ-11 universal jack connects to telephone service.



The Trident Tuff-Modem is the perfect way to communicate with your system and offers peak performance when integrated with any of the Trident Micro Systems trunking controllers: the Marauder, the Raider or any of the TNT Series Logic Controllers.

The Tuff-Modem provides optimum performance with other manufacturer's products, as well. For any system that requires remote dial up, the Tuff-Modem is the perfect solution.

Features:

- Baud rates of 1200 or 2400
- Answers incoming calls automatically
- Custom Micro Controller with Watch Dog
- Front panel LEDs indicate operational status
- RS-232 serial DB-25 female connector
- 6 to 16 volts DC or 6 to 14 volts AC @ 100ma
- Connects directly to telco line

 **TRIDENT**
MICRO SYSTEMS

Tuff-Modem

Settings and Definitions:

Dip Switch Settings:

- Switch #1: Baud Rate
 - On (DOWN) = 2400 baud
 - Off (UP) = 1200 baud
- Switch #2: Call Mode
 - On (DOWN) = Answer mode
 - Off (UP) = Originate mode

DB-25 Pin Definition:

- Pin 2 = TX data to remote modem
- Pin 3 = RX data from remote modem
- Pin 7 = Ground
- Pin 8 = DCD (Data Carrier Detect)
- Pin 20 = DTR (Data Terminal Ready)

LED Light:

- Power = Green LED:
 - Unit is turned on
- Low Power = Yellow LED:
 - Power supply too low
- Active = Green LED:
 - Successful handshake with remote modem

Specifications:

Electrical

- Supply Voltage 6-14V AC or DC
- Supply Current 100ma

Modem

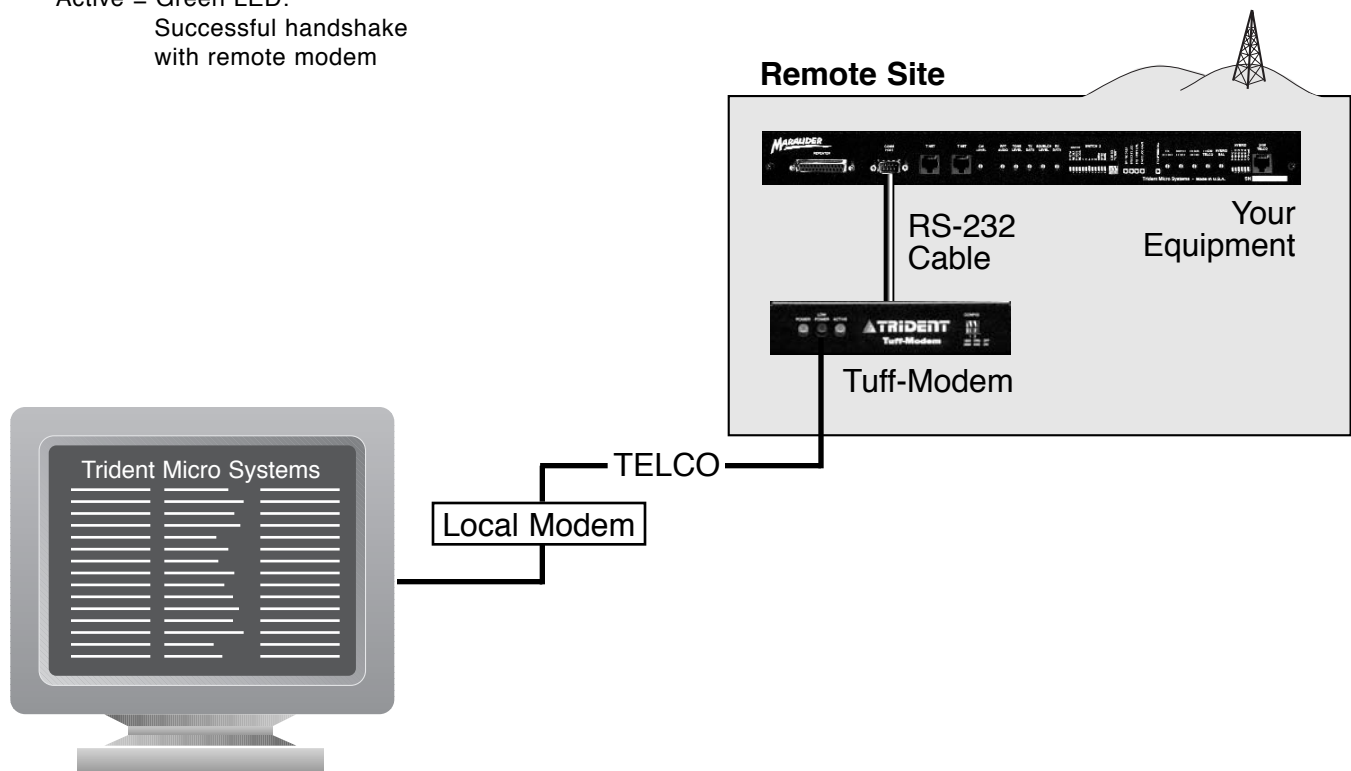
- Internal Modem Synchronous In-Band Signaling
- Baud Rates 1200 or 2400
- Mode Auto Answer or Originate

Physical

- Size 1.75"H x 5.25"W x 6.25"D
- Weight 25 oz.
- Enclosure Steel Case

Environmental

- Operating Temp -40 to 60 Degrees Celsius
- Humidity 90% Non-condensing



 **TRIDENT**
MICRO SYSTEMS

Two Trident Drive, Arden, North Carolina 28704
Ph. (828) 684-7474 • (800) 798-7881 • Fax (828) 684-7874
www.tridentms.com • sales@tridentms.com