Avatex™ Modems

The Next Step in Personal Computing

At the heart of an AVATEX™ modem is a new design philosophy: the power, speed, and intelligence of a serious piece of communications equipment, so stream-lined in its operation anyone can use it productively. Immediately. Manufactured to the same exacting standards of industrial modems, AVATEX modem provides the highest-quality performance possible.

A Ready Passport

An AVATEX modem assures your entry into the exciting new world of data communications where you can keep a keen eye on your stock portfolio, monitor current events, sharpen your comparison shopping skills, and explore new vistas of knowledge available through educational networks. It's a world in which information can easily be gained and shared over electronic bulletin boards, where you'll find a generous supply of free software to enhance your computer library. The opportunities are extensive now, and as the field of data communications rapidly changes and expands, so do your capabilities.

Simplified Protocol

All you need to unlock this world today is a terminal or computer with an RS-232 interface, an ordinary telephone, and your AVATEX modem. What you don't need are complicated commands, bulky manuals, and extra equipment. Your AVATEX modem direct-connects your computer to other computers over existing telephone lines. Automatically, it dials and redials numbers in its memory and answers your calls. It will even adjust incoming data speeds without prompting from you.

Power and Compatibility

The AVATEX 1200 simplifies matters for you by utilizing only the very basic commands, while allowing you to use a host of popular software programs. Yet, if you need a fully-optioned modem, the AVATEX 1200hc will fit your needs. The 1200 features a very basic Hayes® command set for its auto functions. The 1200hc features the full AT command set and all the Hayes S registers and options to satisfy even the most sophisticated user. And, the 1200hc can be used with any of the leading communications software programs. Both the AVATEX 1200 and the 1200hc are equipped with push-button controls for speed and data/voice settings, a full range of LED's and automatic diagnostic capabilities.

Advanced Technology

Your AVATEX modem matches the leading-edge design specifications of the BELL 212 modem feature by feature. So it gives you full Bell compatibility along with impeccable transmission accuracy. Your AVATEX modem is smart enough to ignore irrelevant noise. A poor connection-even an accidentally-lifted extension phone—won't disconnect your call.

The Wait is Over

If you've been reluctant to join the data communication age because you had to choose between a powerful modem with a complex command structure or a "toy" modem with limited capabilities, the AVATEX was designed for you.

**General
Benefits**

The AVATEX modem gives you these important features:
- full Bell 212 compatibility
- auto answer, dial, and redial
- automatic adjustment to incoming speeds
  (and outgoing speeds for the 1200hc)
- touch or pulse-dial telephone compatible
- noninterference with normal phone operation
- complete diagnostics with a full complement of LED's
- BASIC program for immediate data access
- Extended one-year warranty for the 1200; two-year warranty
  for the 1200hc

Avatex™ 1200

MODEM COMPATIBILITY	LINE SIGNALS
Low Speed Mode: Bell 103 compatible	**Low Speed Mode:** Frequency Shift Keying (FSK)
High Speed Mode: Bell 212A compatible	**High Speed Mode:** Differential Phase Shift Keying (DPSK)
Command Set: 8 AT commands (other options fixed or not needed)	**Test Modes:** Local/Remote Self Test, Analog and Digital Loopback (by switch setting)
OPERATION	**Line Impedance:** 600 ohms balanced
Low Speed Mode: 0 to 300 bits per second. Binary, Serial, Asynchronous	**Data Interface:** EIA RS-232-C
High Speed Mode: 1200 bits per second in the Character-Asynchronous Format	**Network Interface:** USOC RJ11C (Modular Jack)
Data Format: Set automatically at AT command	**System Compatible to:** Most computers and terminals
Speed Format: Originate: Set by external speed button (300 or 1200); Answer: Auto-detect	**Power:** 120 VAC, 60 HZ, 8W max. with supplied power adapter which is UL/CSA approved
Character Lenght: 9 or 10 bits including start and stop bits	**Operating Temperature:** 0°C to 50°C
Operation Mode: Full-Duplex Automatic/Manual Originate, Answer, and Disconnect	**SPECIAL FEATURES**
Dialer: Keyboard control built-in auto pulse and tone dialer	• Modular phone connection on modem • Full diagnostics-switch selectable • External switch settings • Speed and data/voice buttons
Line Requirements: Two-wire dial line or two-wire leased line	

Avatex™ 1200hc

MODEM COMPATIBILITY	LINE SIGNALS
Low Speed Mode: Bell 103 compatible	**Low Speed Mode:** Frequency Shift Keying (FSK)
High Speed Mode: Bell 212A compatible	**High Speed Mode:** Differential Phase Shift Keying (DPSK)
Command Set: Fully Hayes compatible (all commands, S registers, and options)	**Test Modes:** Local/Remote Self Test, Analog and Digital Loopback (by keyboard command)
OPERATION	**Line Impedance:** 600 ohms balanced
Low Speed Mode: 0 to 300 bits per second. Binary, Serial, Asynchronous	**Data Interface:** EIA RS-232-C
High Speed Mode: 1200 bits per second in the Character-Asynchronous Format	**Network Interface:** USOC RJ11C (Modular Jack)
Data Format: Set automatically at AT command	**System Compatible to:** Most computers and terminals
Speed Format: Originate: Auto-detect in high speed mode; Answer: Auto-detect in high speed mode	**Power:** 120 VAC, 60 HZ, 8W max. with supplied power adapter which is UL/CSA approved
Character Lenght: 9 or 10 bits including start and stop bits	**Operating Temperature:** 0°C to 50°C
Operation Mode: Full-Duplex Automatic/Manual Originate, Answer, and Disconnect	**SPECIAL FEATURES**
Dialer: Keyboard control built-in auto pulse and tone dialer	• Speaker • Modular phone connection on modem • Full diagnostics-Keyboard controlled • Help screen menus for switch settings, commands and options
Line Requirements: Two-wire dial line or two-wire leased line	

E+E Data Comm

UL/CSA and
FCC Part 15
and 68 approved