



External USB Home DSL ModemTM

Surf the Net
at Higher Speeds



Features

- Full rate ADSL USB Modem
Supports speeds up to 8 Mbps downstream, 640 Kbps upstream
- T1.413i2 and G.dmt compliant
Supports full range of ADSL standards
- Compatible with all major DSLAMs
- Up to 18,000 feet loop reach (over standard loops)*
- Small form factor
(Height: 1.145 in., Depth: 4.333 in., Width: 5.39 in.)
- Application wizard simplifies modem configuration process for selected ISP

The *Actiontec* USB Home DSL Modem offers Local Exchange Carriers and Internet Service Providers with a cost effective DSL modem solution. As a full rate ADSL modem that utilizes technology from Texas Instruments, it is based on powerful and proven DSL technology. Furthermore, since *Actiontec* manufactures its products overseas, *Actiontec* can offer its customers a cost competitive solution.

The *Actiontec* Home DSL Modem is a full rate ADSL USB device providing a simple installation procedure for the end-user and a small footprint to conserve desk space. It is capable of speeds up to 8 Mbps downstream, and 640 Kbps upstream, and the installation can be customized to support only select LECs or ISPs.

To ensure full compatibility, the *Actiontec* Home DSL Modem was tested with all major DSLAMs, each with multiple line cards, and is compliant with major ADSL standards including T1.413i2 and G.dmt. The *Actiontec* Home DSL Modem has been carefully designed to maximize performance while extending loop reach.

The *Actiontec* Home DSL Modem utilizes the power of Texas Instruments' DSP-based DSL Technology. Their programmable DSP's future-proof the DSL modem, allowing for the user to download new features and services when they become available.

The *Actiontec* Home DSL Modem is compatible with Windows 98/98SE, Windows ME, and Windows 2000 and requires a USB port.





External USB Home DSL Modem™

Technical Specifications

ADSL Features

- Controller-based External USB ADSL Modem
- G.lite upgradeable at up to 1.5 Mbps downstream and 512 Kbps upstream
- G.dmt full rate connectivity at up to 8 Mbps downstream, 640 Kbps upstream
- Up to 18,000 feet loop reach (over standard loops)*

ATM and AAL Support

- AAL5
- ATM Transmission Convergence (TC) layer
- Support for multiple PVCs
- Provides loop back for F4 & F5 OAM cells
- Support UBR traffic
- Hardware SAR

Computer System Requirements

The host PC system must meet ALL of the following minimum requirements:

Hardware:

- IBM PC/AT or compatible with one Universal Serial Bus (USB) specification 1.0 compliant
- Intel® Pentium® processor with MMX® 233MHz or faster
- 40MB (or more) available hard disk space
- 2x CD-ROM drive (or faster)
- 32MB (or greater) available system RAM

Software:

- Windows 98
- Windows 98SE
- Windows ME
- Windows 2000

Power Supply

- DC 5V 1.6A

Visual Indicators

- Power
- Link LED

Software Features

Designed to be used with:

- Windows based Graphical User Interface (GUI)

Compliance Certificates

- FCC Part 15
- FCC Part 68
- UL

ADSL Standards

Physical Layer:

- ANSI T1.413 Issue 2
- ITU G.992.1 (G.dmt)

Protocol Support/Data Encapsulation:

- RFC 1483 Bridged Ethernet over ATM with LLC/SNAP
- RFC 1483 Routed IP over ATM
- RFC 2364 PPP over ATM with VC Muxing
- RFC 2364 PPP over ATM with LLC/SNAP
- RFC 2516 PPP over Ethernet: PPPoE client software using NTS' EnterNet 300 and Routerware's WinPoET

External Connectors

- Two RJ-11 telephone jacks; ADSL connection, Phone connection
- One USB port
- Power Jack



Actiontec Electronics, Inc.

760 North Mary Ave.
Sunnyvale, CA 94086
Main: (408) 752-7700
Sales Info: (800) 797-7001
Fax: (408) 541-9003
Tech Support: (408) 752-7714
Tech Support Fax: (408) 732-0097
BBS: (408) 732-0112
Internet: www.actiontec.com

*Speed is determined by distance between modem and Central Office. Total distance cannot be greater than 3 miles.

© 2001 Actiontec Electronics, Inc.

Actiontec and the Actiontec logo are trademarks of Actiontec Electronics, Inc.

Texas Instruments, DSP and design and DSP Texas Instruments Technology and design are trademarks or registered trademarks of Texas Instruments Incorporated in the U.S. or other countries.

All other names are properties of their respective owners.

Product photo may differ from actual product, however functionality remains as stated above.