



ADSL Ethernet Modem

KEY BENEFITS

Supports ADSL G.DMT and G.Lite technology

Instantly access data files and streaming audio and video from your PC at speeds up to 145 times faster than a 56K modem.*

Flexible and scalable platform

Integrated network processor supports both bridging and routing functions.

Router functionality allows for shared Internet access – simply add a low-cost hub for expandability.†

Easy to set up and use – no software to install

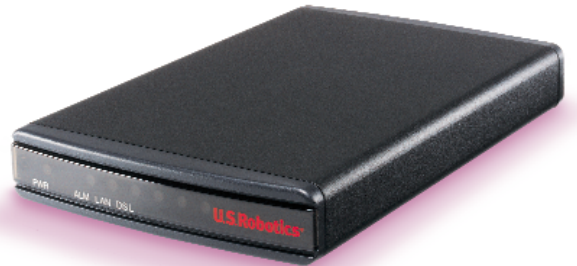
The included HTML-based configuration software makes setup a snap.

Built-in firewall

Protects your system from external intrusion and attacks.†

VPN Support

Fully supports Virtual Private Networks (VPNs) with use of PPTP and L2TP clients.



FROM THE WORLD'S MOST TRUSTED AND #1 SELLING MODEM BRAND!

New U.S. Robotics broadband Internet technology brings you download speeds up to 8 Mbps over an existing telephone line – that's 145x faster than analog 56K! The U.S. Robotics ADSL Ethernet Modem means cost-effective broadband access for the home or small office.

Harness high-speed connectivity for interactive gaming, telecommuting, on-demand streaming audio and video entertainment, and for downloading huge files in seconds instead of minutes. Have all of this without the hassles of having to dial up – with a U.S. Robotics ADSL Ethernet Modem, your Internet connection is always on so you'll never be slowed down by busy signals or tied-up phone lines.

As with all U.S. Robotics products, our ADSL Ethernet Modem is designed for easy use and installation. And with the HTML-based configuration feature, customization and management are even easier.

With the U.S. Robotics ADSL Ethernet Modem, service provider investments are protected through the support of popular DSL connection models such as RFC 1483 Multi-protocol over ATM (bridged and routed), RFC 2516 PPP over Ethernet, and RFC 2364 PPP over ATM (bridged and routed).

Flexibility and scalability is critical to service providers and consumers. For this reason, our ADSL Ethernet Modem supports both bridged and routed configurations. The U.S. Robotics ADSL Ethernet Modem (USR8550) is a cost-effective, yet scalable solution that supports full routing and firewall functionality for network protection. Also, to ensure compatibility with new standards and features, the U.S. Robotics ADSL Ethernet Modem is firmware upgradable.



ADSL Ethernet Modem

Features and Benefits

- Compatible with all leading DSLAMs
- Supports DMT line modulation
- Supports Full-Rate ADSL: up to 8 Mbps downstream, up to 1 Mbps upstream (G.992.1 and T1.413, Issue 2)
- Supports G.Lite ADSL: up to 1.5 Mbps downstream, up to 512 Kbps upstream (G.992.2)
- Supports DSL handshaking (G.994.1)

Encapsulation

- RFC 2516 PPP over Ethernet
- RFC 2364 PPP over ATM
- RFC 1577 Classical IP and ARP over ATM
- RFC 1483 Multi-protocol over ATM

ATM Features

- Supports up to 8 PVCs, complies with ATM Forum UNI3.1/4.0
- Precise (up to 1 Kbps) peak cell rate traffic shaping (UBR, VBR, CBR)
- ILMI v4.0
- OAM F4/F5 (I.610) support with end-to-end loopback
- ATM AAL5 and compliant with I.361 cell format
- 255 VPI plus 1024 VCI addressing
- ATM pacing, policing

Management Features

- HTML-based configuration
- Console port for local management
- Telnet server for remote management

- Firmware upload/download via TFTP and Console Management
 - FTP firmware upgrade and configuration backup and restore
- Alarm status, DSL, LAN, and power indicators
- Event and history logging
- SNMP support

Physical Interfaces

- ADSL Modem/Router with an RJ-45 10BASE-T-TX Ethernet LAN port
- ADSL port (RJ-11)
- Console port (RS-232)

Bridging Features

- Transparent bridging including Spanning tree protocol (IEEE 802.1D)

Standards and Specifications

Operating Environment

- Temperature conditions: 0 - 50°C
- Humidity: 5% to 90% RH non-condensing

Dimensions/Weight

- Dimensions:
 - Length 7.7 in. (19.5 cm)
 - Width 5.1 in. (13.0 cm)
 - Height 1.1 in. (2.8 cm)
- Weight: 1.2 oz (0.54 kg)

Minimum System Requirements

- Any computer with an Ethernet 10/100 RJ-45 interface

- Any operating system that supports an Ethernet connection with an IP stack
- Installation CD requires Windows 95, Windows 98, Windows Me, Windows NT 4.0, or Windows 2000

Security Features

- Password protected configuration access
- User authentication
- (PAP/CHAP) with PPP
- Firewall[†]
 - Packet filtering[‡]
- NAT[†]
- NAPT[†]

LAN Features

- DHCP Server
- DHCP Client
- DHCP Relay
- DNS Relay

Routing Features

- TCP/IP with RIP v1 and v2[†]
- Static routing[†]

Regulatory Approvals

- UL 1950
- CUL
- ICES-003
- FCC Part 15 class B



For connection to the Public Switched Telephone Network (PSTN)

U.S. Robotics helped you get on the Internet, and we're keeping you connected with cutting edge technology. We're proud of our role in the history of the Internet, but even prouder of our role in the future – broadband, wireless, and beyond. Our entire team, from customer support to engineering, is dedicated to keeping people in contact worldwide – with information, entertainment, and each other. www.usr.com

Contact your U.S. Robotics representative or visit us at www.usr.com for current product information.

* Actual speeds may vary – consult with your Internet Service Provider (ISP).

† Shared internet access depends on the services and protocols supported by the service provider.

‡ Features only available in routing mode.

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