



## ENDSL-A2+R

### ADSL2+ Modem with 1 Port Ethernet Router

ENDSL-A2+R, a ADSL2+ router is a full-featured ADSL router that provides high-speed Internet access and Ethernet direct connections to individual PCs or local area network with 10/100 Base-T Ethernet. ENDSL-A2+R use advanced ADSL chipset solution with complete set of industry standard features and high-speed ADSL, ADSL2 and ADSL2+ Internet access for SOHO and residential users. User can enjoy higher quality multimedia and real-time applications such as online gaming, Video-on-Demand and other bandwidth consuming services. Also the feature-rich routing functions are seamlessly integrated to ADSL service for existing corporate or home users.

#### Features:

- Full rate operation with up to 24Mbps downstream data rate and up to 1Mbps upstream data rate enables High-speed Internet access to ISP or corporate network
- Friendly GUI Configuration and Management
- Ongoing feature enhancements through FTP / TFTP download or upload of new firmware and configuration files
- Provides ALG's to support most major applications such as FTP, SNMP, ICMP, H.323, L2TP, Quake, MRC, ICQ and CUSeeMe
- Support ZIPB (Zero Installation PPP Bridge) mode
- Supports Full VPI range (8 bits, 0-255) and VCI range (16 bits, 1-65535) over PVC.
- Enables end-to-end support, which allows traffic management and QoS

- Built-in DHCP server automatically assigns IP addresses to all workstations on your LAN
- All management and monitoring can be done through Telnet session
- UPnP Support
- Auto Negotiation rate adaptation

## Specifications:

### ADSL Compliant:

- ANSI T1.413 issue 2
- ITU-T G.992.1 (G.dmt)
- ITU-T G.992.2 (G.lite)
- G.994.1 (G.hs, Multimode)
- ITU-T G.992.3 (ADSL2 G.dmt.bis)
- ITU-T G.992.4 (ADSL2 G.lite.bis)
- ITU-T G.992.5 (ADSL2+; Annex A, B, I, J, L & M)
- Reach Extended ADSL (RE ADSL)

### ATM and PPP Protocols:

- Support up to 8PVCs
- ATM Forum UNI 3.1/4.0 PVC
- Traffic Shaping UBR, CBR, VBR, GFR
- Multi Protocol over AAL5 (RFC1483 / 2684)
- Classical IP Over ATM (RFC 1577)
- RFC2516 (PPP Over Ethernet)
- RFC2364 (PPP Over ATM)
- VC and LLC Multiplexing
- PPP over Ethernet (RFC 2516)
- PPP over ATM (RFC 2364)
- OAM F4 and F5 segment end-to-end loop-back
- VPI is 0-255 and VCI is 1-65535

### Bridging and Routing:

- Ethernet to ADSL self-learning Transparent Bridging (IEEE 802.1d)
- IP routing-RIPv2 (backward compatible with RIPv1)
- Static IP routing
- Routing (TCP/IP/UDP/ARP/RARP/ICMP/IGMP)
- IP Multicast IGMP v1/v2
- Supports up to 128 MAC learning addresses

## IP Management

- NAT (Network Address Translation) up to 1024 NAT translation sessions
- NAPT (Network Address and Port Translation)
- DHCP Server / Relay / Client
- DNS Proxy
- Dynamic DNS,
- UPnP support

## WLAN Network

- Compatible with IEEE 802.11b/g
- 64/128 bits WEP Encryption
- WPA-PSK, TKIP / WPA2-AES, PSK
- Supports Quality of Service (QoS), 802.11e, WMM
- MAC Address Filtering

## Security

- PPP over PAP (Password Authentication Protocol; RFC1334)
- PPP over CHAP (Challenge Authentication Protocol; RFC1994)
- Embedded Firewall and IP filtering
- Password Protected System Management

## Web Based Management

- Web-based GUI Configuration / Management
- Command-line Interpreter (CLI) via serial interpreter or Telnet over Ethernet
- Telnet Remote Management
- Firmware upgrade via FTP / TFTP
- Support SNMP
- Built-in Diagnostic tool

## Interface

- One RJ45 port compatible with IEEE 802.3/802.3u, 10/100Mbps auto selection
- One USB port compliant with USB v1.1, full speed (12Mbps)
- One RJ11 port for ADSL connection
- One reset button for restoration of factory default setting

## LED Indicators

- Power, USB, ADSL, LAN, DATA

#### Power Adapter

- 100-240 VAC input, 9 VAC, 1A Output

#### Dimensions (Approximate)

125 mm (Length) x 88 mm (Width) x 27 mm (Height)

#### Net Weight (Approximate)

- 200 g

#### Operating Temperature

- 0°C ~ 70°C

#### Humidity

- 5% ~ 95% (Non condensing)

#### Storage Temperature

- -20°C ~ 70°C

#### Support Operating System

- Windows® 998SE, ME, 2000, XP, Windows Vista™, MAC OS X

#### Regulations

- FCC Part 15, CE