



## **ENDSL-A2+WIG2**

### **ADSL2+ Modem with Wireless Router**

ENDSL-A2+WIG2 full rate ADSL2+ router is an all-in-one ADSL2+ router for Home and SOHO applications. This gateway are with full-featured ADSL router that provides high-speed Internet access, 4-port Ethernet switch direct connections to individual PCs or local area network with 10/100 Base-T Ethernet and a 54Mbps IEEE802.11g wireless connectivity.

ENDSL-A2+WIG2 use advanced ADSL chipset solution with complete set of industry standard features for high-speed Internet access. Also built-in 54Mbps IEEE 802.11g wireless service can provide you easy and convenient way to connect the PCs and Internet. User can enjoy higher quality multimedia and real-time applications such as online gaming, Video-on-Demand, VoIP and other bandwidth consuming services. Also the feature-rich routing functions are seamlessly integrated to ADSL service for existing corporate or home users.

The switch is plug-n-play without any software to configure and also fully compliant with all kinds of network protocols. Moreover, the rich diagnostic LED's on the front-panel can provide the operating status of individual port and whole system.

## Features:

- Full rate operation with up to 24Mbps downstream data rate and up to 1Mbps upstream data rate enables High-speed Internet access
- Compliant with IEEE802.11g standard and with data transfer rate up to 54Mbps
- Friendly GUI Configuration and Management
- Feature enhancements through FTP / TFTP download or upload of new firmware and configuration files
- Universal Plug and Play (UPnP) support
- Provide ALG to support many major applications, such as MSN Messenger, AIM (AOL Instant Messenger), CuseeMe, ICQ, IRC, LDAP, PPTP, FTP, Quake, RTSP (RealTime Streaming Protocol), SIP, H.323...
- Enables end-to-end ATM 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.*

## 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
- Multi Protocol over AAL5 (RFC1483 / 2684)
- VC and LLC Multiplexing
- PPP over Ethernet (RFC 2516)
- PPP over ATM (RFC 2364)
- Traffic Shaping (ATM QoS) UBR, CBR, VBR, VBR-rt, VBR-nrt
- OAM F4 and F5 segment end-to-end loop-back, AIS, and RDI OAM cells
- VPI is 0-255 and VCI is 32-65535

### **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/ICMP)
- IP Multicast IGMP v1/v2

### **IP Management**

- NAT (Network Address Translation)
- NAPT (Network Address and Port Translation)
- DHCP Server / Relay / Client (WAN Port)
- DNS Proxy
- Dynamic DNS,
- UPnP support
- Virtual Server and DMZ host

### **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)
- DoS Protection
- Stateful Packet Inspection (SPI)
- VPN (IPSec, PPTP, L2TP) Pass-Through
- Built-in NAT Firewall
- IP-based Packet filtering
- Password Protected System Management

### **Web Based Management**

- Web-based GUI Configuration / Management
- Command-line Interpreter (CLI)
- Telnet Remote Management
- Firmware upgrade via FTP / TFTP
- Support SNMP V.1 and V.2C
- Built-in Diagnostic tool and IP Ping
- TR-069, CPE WAN Management Protocol

### **Interface**

- Four RJ45 ports compatible with IEEE 802.3/802.3u, 10/100Mbps auto selection
- One RJ11 port for ADSL connection
- One power switch button
- One reset button for restoration of factory default setting

### **LED Indicators**

- Power, LAN, ADSL, LANx4

### **Antenna**

- One external antenna

### **Wireless Frequency**

- 2.400~2.4835 Ghz

### **Receiver Security**

- IEEE 802.11b: -84 dBm (typical), IEEE 802.11g: -60 dBm (Typical)

### **Transmit Output Power**

- 11b : 19±1 dBm, 11g : 15±1 dBm

### **Power Adapter**

- Power Adapter: Input 110±10 or 230±10 VAC, Output 12VAC 1000mA

### **Dimensions** (approximate)

160 mm (Length) x 130 mm (Width) x 24 mm (Height)

### **Net Weight** (approximate)

- 320g

### **Operating Temperature**

- 0°C ~ 45°C

### **Humidity**

- 5% ~ 95% (Non condensing)

**Storage Temperature**

- -20°C ~ 70°C

**Supported Operating System**

- Windows® 99SE, ME, 2000, XP, Windows Vista™, MAC OS X

**Regulations**

- FCC Part 15, CE