level® one

11g Wireless ADSL2+ Modem Router

WBR-3460

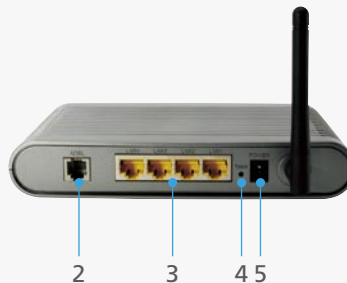## H/W Version: 1

ADSL Modem with Wireless Router

The WBR-3460 is a wireless modem and router ideal for delivering 54Mbps wireless connectivity to desktop computers, notebooks, PDA's and smart phones. It also has an integrated 4-port Ethernet switch making it easy to add devices and build a versatile LAN.

The built-in Quality of Service (QoS) feature allows full control over inbound data, making it an ideal solution for prioritizing network traffic. It also features robust firewall, wireless encryption and access control security features for a safe networking environment.

Robust Firewall Security

The WBR-3460 also provides Denial of Service (DoS) attacks and Stateful Packet Inspection (SPI) features to counter hacking attempts. Access control to a network is provided through packet filtering allowing only defined ports to be opened allowing traffic to pass through.

The router further provides DMZ support that allows for creating a more secured and isolated network. WBR-3460 supports a VPN IPSec-compliant 8 tunnel private network as well as a VPN pass-through feature enabling users to work from home or other remote locations.

1. LED Indicators
2. ADSL Interface
3. LAN Interface
4. Reset Button
5. Power Port

1   2   3   4 5

Key Features

- High-speed broadband connection with ADSL2+
- Compliant with 802.11g wireless standard, 54Mbps*
- Incorporates WPA, WPA2, WEP encryption and other advanced network security features
- VPN IPSec – Supports 8 Tunnels for secured connections
- Integrated 4-port Ethernet Switch
- Firewall Security with DoS Prevention and URL Filtering
- Control your bandwidth with Quality of Service (QoS)
- Easy to use Web Management

Works Well With

WNC-0305USB
11g Wireless USB Adapter

WCS-0010
11g Wireless Network Camera

Theoretical throughput, actual performance depends on equipment and network conditions.

Technical Specification

LAN-Interface
4x 10/100 Mbps Auto-MDIX RJ-45 Port

ADSL-Interface
1x RJ11 Port

Data Rates:
Downstream: Up to 24Mbps
Upstream: Up to 1Mbps

ADSL Standards
Multi-Mode, ANSI T1.413 Issue2
ITU-T G.992.1 (G.dmt) Annex A/C/I
ITU-T G.992.2 (G.lite) Annex A/C
ITU-T G.994.1 (G.hs)

ADSL2 Compliance
ITU-T G.992.3 (G.dmt.box) Annex A/J/K/L/M
ITU-T G.992.4 (G.lite.bis) Annex A

ADSL2+ Compliance
ITU-T G.992.5 Annex A/L/M

ATM and PPP Protocols
VC and LLC based multiplexing
ATM Adaptation Layer Type 5 (AAL5)
Multiple Protocol over AAL5 (MPoA)
PPP over Ethernet (PPPoE)
PPP over ATM (PPPoA)
OAM F4/F5

Wireless Data Transfer Rate
802.11g: 54 ~ 6 Mbps
802.11b: 11 ~ 1 Mbps

Number of Channels
Ch.1 ~ 11 USA
Ch.1 ~ 13 EU, Japan

Operating Frequency
2.4 ~ 2.4835 GHz

Antennas
1x 2dBi Removable Antenna

Wireless Security
WEP 64/128-bit Web share key encryption
WPA-PSK, WPA2-PSK
SSID Broadcast On/Off

Firewall
DoS Detection
NAT Firewall with SPI mode
Virtual Server, DMZ
Schedule-Based URL Filtering

QoS Support
Application and URL Based Prioritization

VPN Support
8 Tunnel IPSec ES/3DES Encryption

Other Features
DDNS Supported, UPnP Supported, NTP Time Server,
VPN Pass-Through (PPTP, IPSec, L2TP)

Management and Configuration
Quick Installation Wizard
Web-Based GUI Configuration
Auto VPI/VCI Detection
Syslog monitoring

Firmware Upgrade
Web-based (HTTP)

Supported Operating Systems
Windows 2000/XP/Vista/Mac OSX/Linux

Power Adapter
DC12V / 1.0A

Operating Temperature
0°C ~ 40°C / 85% Humidity

Storage Temperature
-20°C ~ 70°C / 95% Humidity

Dimensions
132mm(L) * 94mm(W) * 35mm(H)
Wall Mount Brackets

Certifications
CE, FCC

Standards Compliant
IEEE 802.11g, IEEE 802.11b,
IEEE 802.3x, IEEE 802.3, IEEE 802.3u

Product Diagram

IP Camera

WNC-0305USB   NB

WBR-3460

Internet

Computer

IPSec VPN Client   IPSec VPN Client

Computer

Order Information	**WBR-3460A:** 4-port ADSL2/2+ Wireless Modem Router with QoS (Annex A)
	WBR-3460B: 4-port ADSL2/2+ Wireless Modem Router with QoS (Annex B)

Package Content

WBR-3460
Antennas x1
RJ11 ADSL Cable
RJ45 Ethernet LAN Cable
Power Adapter
Quick Installation Guide
CD Manual