

Firewall

ADSL2+

QoS Router

Switch

Wireless

USB



## KEY FEATURES

- ⊙ Fully featured ADSL2+ Broadband Modem for super fast Internet access
- ⊙ Ethernet or USB connection
- ⊙ Built in Firewall for security and peace of mind
- ⊙ VPN Passthrough
- ⊙ Supports ADSL, ADSL2 and ADSL2+
- ⊙ UPnP™ and QoS
- ⊙ Simple Web based setup and configuration

The new NB6 Series from NetComm is the perfect modem for all users wanting to experience the full benefit of ADSL2+.

The NetComm NB6Plus4W is an ADSL/2/2+ compatible router/modem/switch with a built in wireless access point, providing wireless internet and file sharing between multiple computers.

Watching movies, downloading music and online gaming becomes second nature with the NB6Plus4W. Capable of delivering high-speed internet access of up to 24Mbps\* makes this modem perfect for bandwidth intensive activities. Included in its long list of features is an IP packet filtering firewall, WEP, WPA and WPA2 wireless encryption.

The NB6Plus4W features four Ethernet ports for connecting to/creating a network along with 54M Wireless with the added convenience of a USB port for computers running Windows 98 SE/ME/2000/XP without a network card.

The NB6Plus4W is also been tested with Microsoft's new operating system, **Windows Vista**, and is the perfect choice if you're looking for a modem that will work with the new OS.



## TECHNICAL SPECIFICATIONS

### ADSL COMPLIANCE

#### ADSL

- ANSI T1.413 Issue 2
- ITU G.992.1 Annex A (G.dmt)
- ITU G.992.2 Annex A (G.lite)
- ITU G.994.1 (G.hs)
- Support dying gasp
- Maximum Rate: 8 Mbps downstream and 1 Mbps upstream

#### ADSL2

- ITU G.992.3
- ITU G.992.4
- Maximum Rate: 12 Mbps downstream and 1 Mbps upstream

#### ADSL2+

- ITU G.992.5
- ITU G.992.5 Annex M
- Maximum Rate: 24 Mbps downstream and 1.2 Mbps upstream

#### ATM

- PPPoA (RFC 2364) and PPPoA Bridged mode
- PPPoE (RFC 2516) and PPPoE Bridged mode
- IPoA (RFC 2225)
- Bridged mode over AAL5 (RFC2684/1483)
- ATM Forum UNI 3.1 / 4.0 compliant PVCs
- UBR and CBR with traffic shaping
- OAM F4/F5 loopback cells

#### BRIDGING

- IEEE 802.1d self-learning bridge
- Learning up to 4096 MAC addresses
- Transparent Bridging between 10/100 Mb Ethernet and USB

#### ROUTING

- NAT / PAT allows multiple users to share Internet access
- UPnP IGD with NAT traversal capability
- Port Forwarding: users can setup multiple virtual servers (e.g., Web, FTP, Mail servers) on the local network.
- Static routing & dynamic routing RIPv1/v2
- DNS Relay, Dynamic DNS
- DHCP Client/Relay/Server
- IGM Proxy
- Support IP/Bridge QoS for different traffic classes
- Support reservation of bandwidth to guarantee voice quality of VoIP applications.

#### SECURITY

- PAP, CHAP, and MS-CHAP for PPP authentication
- Firewall based on incoming & outgoing filtering of IP address/Port number/Protocol type
- Ping blocking from WAN
- DMZ hosting

#### SUPPORTED APPLICATIONS

- Application Level Gateways preset for Auth/Ident, DNS, FTP, PPTP, IPSEC, POP3, SMTP, SSH, TELNET, TFTP & WEB servers. Multiple Virtual Servers can be setup in local network.
- Multiple VPN passthrough sessions
- NetMeeting, MSN Messenger, FTP, Quick Time, mIRC, Real Player, CuSeeMe, online gaming.

#### CONFIGURATION AND MANAGEMENT

- Embedded web configuration interface with password protection
- Remote management control
- Telnet session for local or remote management
- System events logging
- DSL connection diagnostics
- Firmware upgrade via web browser
- User setting backup & restore

#### HARDWARE INTERFACE

- One RJ-11 port for ADSL connection
- IEEE 802.11g and 802.11b Wireless LAN interface
- Four Ethernet ports for IEEE 802.3/802.3u 10/100 Base-T auto-sensing, auto cross-over
- One USB port compliant to USB v1.1
- One hidden reset button for restoring factory default settings

#### CHIPSET

- Broadcom BCM6348 single-chip ADSL2+ with integrated MIPS32 CPU, transceiver & Analog Front End
- Broadcom BCM4318 single-chip 802.11g wireless LAN solution

#### WIRELESS LAN

- Supports IEEE 802.11g and 802.11b
- Data Rates: 54, 48, 36, 24, 18, 12, 9, 6 Mbps for 802.11g and 11, 5.5, 2, 1 Mbps for 802.11b
- Diversity antenna system: one external antenna and one internal antenna
- Maximum RF output power: 15dBm for 802.11g
- Coverage Area:  
802.11g: LOS (Outdoors): Max. 50 meters; Indoors: Max. 20 meters  
802.11b: LOS (Outdoors): Max. 180 meters; Indoors: Max. 60 meters
- Support WEP (Wired Equivalent Privacy) RC4 with 64-bit or 128-bit key length
- Support Access Control List, only registered WLAN clients are allowed
- Support 802.1x, WPA-PSK, WPA, WPA2 & Mixed WAP/WPA2.  
Support SSID stealthing
- Support repeater function to extend coverage (WDS)
- Support client isolation for wireless hotspot

#### LED

- WLAN, USB, Ethernet 4, Ethernet 3, Ethernet 2, Ethernet 1, PPP, ADSL, Power

#### POWER SUPPLY

- External power adapter 12VAC/1.0A (output)

#### APPROVALS

- A-Tick N367

#### ENVIRONMENTAL CONDITIONS

- Operating temperature 0 ~ 40°Celsius
- Relative humidity 20 ~ 90% (non-condensing)

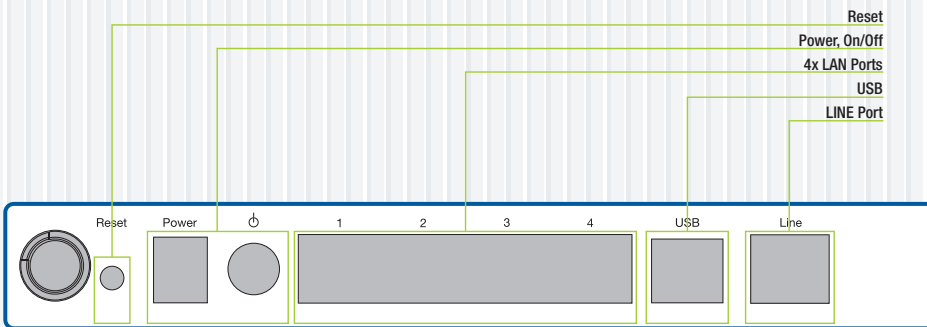
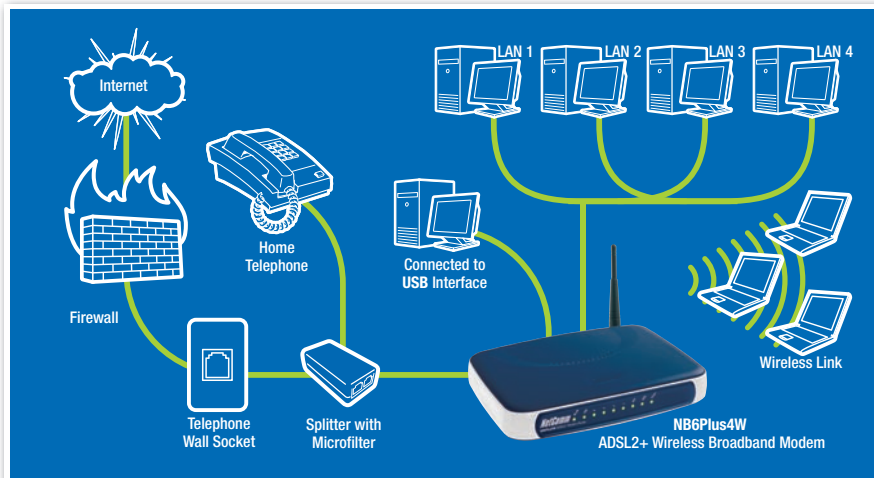
#### DIMENSIONS

- 190 mm (W) x 30 mm (H) x 150 mm (D)
- Weight: 320g

## NB6Plus4W ADSL2+ Modem Router

- Broadband Internet Access up to 24 Mbps\*
- VoIP Compatible (ATA or other VoIP device required)
- Integrated 54 Mbps Wireless Access
- Wireless Security, WEP and WPA
- 4 Ethernet Ports for Internet Sharing
- Suitable for Home and Office Networks
- Support Repeater Function to extend coverage (WDS)
- Security Firewall & DMZ
- Multiple VPN Passthrough Sessions
- Port Forwarding, UPnP™ and QoS

\* Please note that actual speeds may differ and are dependent on your ISP



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