NETCOMM GATEWAY™ SERIES
ADSL2+ Wireless G 4-Port Modem Router

NetComm®

KEY FEATURES

- ◉ Fully featured ADSL2+ Broadband Modem for super fast Internet access

- ◉ Ethernet or USB connection

- ◉ Four Ethernet ports for multiple wired connections

- ◉ Wireless G Access Point

- ◉ 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

Model Code/ Part Number	Description	APN Code
NB6Plus4W	NetComm Gateway Series ADSL2+ Wireless G 4-Port Modem Router	9317773011791

The NETCOMM GATEWAY SERIES is the perfect range for all users wanting to experience the full benefit of ADSL2+.

The **NetComm Gateway Series ADSL2+ Wireless G 4-Port Modem Router** 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 this fully featured divice. Capable of delivering high-speed internet access of up to 24Mbps* this modem is perfect for bandwidth intensive activities. Included in its long list of features is an IP packet filtering firewall, WEP, WPA and WPA2 wireless encryption.

Four Ethernet ports are available for connecting to/creating a network, along with Wireless G and a USB port for computers without a network card. The Modem Router is also Windows 7 compatible, and is perfect if you're looking for a prodcut that will work with the new OS.

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

Telephone Wall Socket

Power Point

Power Adapter

Laptop

Laptop   Computer   Computer   Gaming Console

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
- IGMP 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