

# NETCOMM GATEWAY™ SERIES ADSL2+ Wireless N300 4-Port Modem Router

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## KEY FEATURES

- ⌕ Fully featured ADSL2+ modem router
- ⌕ Wireless N access point for speeds of up to 300Mbps<sup>1</sup>
- ⌕ 4 Ethernet ports for wired connectivity
- ⌕ Built-in firewall
- ⌕ VPN pass-through
- ⌕ Supports Wi-Fi Multimedia (WMM) for continued quality of service
- ⌕ Simple web based setup and configuration

Model Code/ Part Number	Description	APN Code
NB6Plus4Wn	NetComm Gateway Series ADSL2+ Wireless N300 4-Port Modem Router	9317773013160

# NETCOMM GATEWAY™ SERIES ADSL2+ Wireless N300 4-Port Modem Router

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**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 N300 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 device. 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 high-speed Wireless N300. The Modem Router is also Windows 7 compatible, and is perfect if you're looking for a product that will work with the new OS.

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

1 Maximum wireless signal rate and coverage values are derived from IEEE Standard 802.11g and 802.11n Draft 2.0 specifications. Actual wireless speed and coverage are dependent on network and environmental conditions included but not limited to volume of network traffic, building materials and construction/layout

## TECHNICAL SPECIFICATIONS

### ADSL/2+ COMPLIANCE

- ADSL standard ITU G.992.3 Annex A (G.dmt.bis) / ITU G.992.5 Annex A
- ADSL Maximum Rate: 12 Mbps for downstream and 1 Mbps for upstream
- ADSL2+ Maximum Rate: 24 Mbps for downstream and 1.2 Mbps for upstream
- Support dying gasp

### ATM FEATURES

- Compliant to ATM Forum UNI 3.1 / 4.0 Permanent Virtual Circuits (PVCs)
- Support up to 16 PVCs for UBR, CBR, VBR-nrt, VBR-rt with traffic shaping
- RFC2684 LLC Encapsulation and VC Multiplexing over AAL5
- RFC2364 Point-to-Point Protocol (PPP) over AAL5
- RFC2225 Classical IP and ARP over ATM
- RFC2516 PPP over Ethernet: support Relay (Transparent Forwarding) and Client functions
- Support PPPoA or PPPoE Bridged mode
- OAM F4/F5 End-to-End/Segment Loopback Cells

### BRIDGING FEATURES

- Supports self-learning bridge specified in IEEE 802.1d Transparent Bridging
- Supports up to 4096 learning MAC addresses
- Transparent Bridging among 10/100 Mb Ethernet ports and wireless LAN
- Supports IGMP Snooping
- Supports 802.1Q VLAN packet pass-through

### ROUTING

- DHCP Client/Relay/Server
- DNS Relay and embedded DNS server
- Static routes, RFC1058 RIPv1, RFC1723 RIPv2, Source Routing.
- ALGs (Application Level Gateways); VPN pass-through with multiple sessions, SIP, etc.
- Support Port Forwarding; Port Triggering; DMZ host; DDNS; Static DNS;
- UPnP IGD (Internet Gateway Device) with NAT traversal capability
- Time protocol can be used to get current time from network time server.
- Support IGMPv1/v2/v3 Proxy
- Support QoS for prioritize the transmission of different traffic classes
- Support port mapping function;
- Support 802.1Q VLAN Tagging on egress WAN interface

### CONFIGURATION AND MANAGEMENT

- Telnet/HTTP/SSH for local or remote management
- Configuration file backup and restore
- Support TR-069 and TR-111 Part 1

### HARDWARE INTERFACE

- One RJ-11 port for ADSL connection
- Four RJ-45 ports for IEEE 802.3/802.3u 10/100 Base-T auto-sensing and auto-crossover
- One hidden button for restoration of factory default settings
- One push button for WPS PBC support
- External power adapter 12VDC/1.5A (output)

### WIRELESS LAN

- Supports IEEE 802.11n (draft 2.0), IEEE 802.11g and IEEE 802.11b
- Data Rates: Up to 300Mbps for 802.11n, up to 54Mbps for 802.11g and up to 11Mbps for 802.11b
- Antenna Configuration: 2 fixed external antennas (2T2R)
- RF Output Power: 15±1.5 dBm in 2.4 GHz
- Coverage Area: Up to 300 metres<sup>1</sup>
- Operating Frequency: 2.412 ~ 2.484 GHz
- Operating Channels: 13 channels (Australia)
- Support 802.1x, WPA/WPA-PSK, WPA2/WPA2-PSK, Mixed WPA/WPA2, and Mixed WPA-PSK/WPA2-PSK
- Supports multiple SSIDs
- Supports wireless QoS (WMM)
- Support WEP (Wired Equivalent Privacy) RC4 with 64-bit or 128-bit key length
- Support Access Control List, only registered WLAN clients are allowed
- Supports wireless protected setup (WPS) with PIN and PBC method
- Support repeater function to extend coverage (WDS)
- Support client isolation for wireless hotspot

### 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

*NetComm*®

**NETCOMM LIMITED** ABN 85 002 490 486 PO Box 1200, Lane Cove NSW 2066 Australia  
P: (02) 9424 2070 F: +61 2 9424 2010 E: sales@netcomm.com W: www.netcomm.com.au

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