



# 3 YEAR WARRANTY

WHEN YOU REGISTER ONLINE

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## KEY FEATURES

⊙	Fully featured ADSL2+ router
⊙	802.11n wireless access point
⊙	2T2R antenna configuration
⊙	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

The NB6Plus4Wn is the latest addition to NetComm's highly successful NB6 Series. With all the features that have made the NB6 Series so popular, the NB6Plus4Wn has added an 802.11n wireless access point for vastly improved wireless speeds of up to 300Mbps<sup>1</sup>, 600% faster than 11g technology.

The NB6Plus4Wn is also a powerful ADSL2+ router capable of delivering a high speed broadband Internet connection. With four Ethernet ports, the NB6Plus4Wn has been designed for residential and business users who want to integrate their ADSL broadband service with high speed wireless and wired networking in one compact device.

The safety of your network is ensured with the on board security features of the NB6Plus4Wn. Features such as a built-in firewall, VPN pass-through, denial of service for unwanted guests, SSID hiding and a full range of advanced wireless security features guarantee your network integrity.

## 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/1.0A (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

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<sup>1</sup> 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.

## CONNECTION DIAGRAM

