The new **NB7 Series** from NetComm is the perfect modem for all users wanting to experience the full benefit of ADSL2+.

The **NetComm NB7Plus4W ADSL2+ Wireless Ethernet Router** uses Broadcom BCM6338 ADSL2+ single Chip solution that fully complies with ANSI T1.413 Issue 2, ITU-T G.992.1 (G.dmt) and G.992.2 (G.lite) ADSL standard.

The **NB7Plus4W ADSL2+ Wireless Ethernet Router** also provides higher data transmission rates with ADSL2, ADSL2+, and Extended Reach-ADSL support. The **NB7Plus4W** will provide up to 12Mbps speed with an additional 600 feet reach for ADSL2; and up to 30Mbps speed with distance up to 5,000 feet for ADSL2+. Support. In addition, with ADSL2+ Annex M support, upstream rate will be improved to up to 3Mbps.

With all the features you expect from a quality modem/router the **NB7Plus4W** comes with a firewall and QoS making it suitable for any use that requires prioritisation such as online gaming or VoIP.

**Targeted at the residential users, the NB7Plus4W ADSL2+ Wireless Ethernet Router** is for both single user using Bridge mode with host based PPPoE Client and multi-users utilizing the ADSL2+ Ethernet Router inbuilt PPPoE/A, IP routing, NAT functionality to share the ADSL link.

The ADSL2+ Ethernet Router comes with the Packet Filtering firewall and DMZ support for a full security options against malicious hackers. With Universal Plug and Play support, home networking becomes a breeze for everyone in the family. Multi Port Range/Popular Application Forwarding makes it even easier to select which application you want your network to allow while ensuring your privacy at the same time.
### Technical Specifications

**ASDSL/ATM Support**
- ITU-T G.114 Annex D, ITU-T G.992.1 (G.dmt) and G.992.2 (G.lite) compliant
- ITU-T G.992.1 15 dmt Annex B Option
- ADSL 2, ADSL2+, RE-ADSL compliant
- ADSL 2+, Annex M Support
- Rate Adaptive modem at 32 Kbps steps
- TR-069 Compliance
- ATM Layer with Traffic shaping GoS Support, CHR, CBR, VBR-r, VBR-nrt
- 4 ALL ATM Attributes - 4 ALL
- Multiple PVC up to 16 support
- Special compatibility with POTS
- FS OAM Lookback/Send and Receive

**Encapsulation Support**
- RFC2866 Button and Reset/LLC and VCC mux support
- RFC2864 PPPoE Client support
- RFC2182 RFC1577 Classic IP Support
- Transparent Bridge Support
- PPP/CHAP/MS-CHAP for Password Authentication Support

**Network Support**
- Static IP Dynamic, RIP routing support
- IP/TCP/UDP/ICMP/ARP/RARP Application Support
- Network Address Translation (NAT)
- Port Mapping/Forwarding
- Easy setup of Port Forwarding rules for popular Games/Application
- NAT Application Level gateway for popular applications
- DHCP Server/Relay/Client
- DNS Relay Agent
- DMZ support
- Single Section IP Sec and PRPT/L2TP VPN pass through support
- PPP Always on with configurable timeout
- PPP Dial on Demand
- Universal Plug and Play Support

**Management Support**
- Web Based FTP management GUI
- TFTP/HTTP Support for Firmware Upgrade
- Web Based Firmware Upgrade (LCU)
- Soft Factory Reset Button via Web GUI
- Diagnostic Test (DSL, OAM, Network, Ping Test)
- Telnet/CLI (Read Only)
- Soft Factory Reset Button via Web GUI
- Web Based Firmware Upgrade (Local)
- TFTP/FTP Support for Firmware Upgrade
- Web Based HTTP management GUI

**Security Support**
- NAT for basic Firewall support
- Packet Filtering/Firewall Support
- Static Packet Inspection Support
- Protection against Denial of Service attacks
- Password Authentication to Modem

**Hardware**
- Broadcom BCM6301 Line Driver
- 2 M NAND Flash ROM (Population Option of 0.5MB SPI Flash or 4MB NAND Flash)
- 8 MB SDRAM (Population Option of 2MB or 16MB)
- Dying Gasp Support
- ITU.K 21 Support
- 10KV Surge Protection Support (Population Option)

**Wireless LAN**
- Supports EEE 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 Range: 802.11g: LSS (Outdoors): Max. 300 meters, Indoors: Max 200 meters
- Support IPv4 address: both static and dynamic IPv4
- Support Access Control List, only registered WLAN clients are allowed
- Support 802.1x, WPA-PSK, WPA2 & Mixed WPA/WPA2 Support
- SSID stealing
- Support repeater function to extend coverage (WDS)
- Support client isolation for wireless hotspot

**Platform Support**
- Ethernet - OS Independent

**Power Requirements**
- Input Voltage: 12V DC +/- 10%
- Input Current: 0.5A

**Physical Specifications**
- LED Indicators:
  - 1 x Power Bi-color LED (Green/Red)
  - 1 x Ethernet Link/Activity (Status LED) (Green)
  - 1 x DSL Link Status LED (Green)
- External Connectors:
  - 1 x RJ-45 Telephone socket for ADSL line
  - 1 x RJ45 for 10/100Base-T Ethernet (AutoMDI/MDIX)
  - 1 x DC Jack for Power Input
  - 1 x Factory Default Reset Button
- Dimensions: 105 (L) x 105 (W) x 30 (H) mm
- Weight: Approx. 250g

**Regulatory Approvals (Pending)**
- Asia/Pacific /Europe: CE (EN55022:98/EN55024: 98), IEC 60950

### Environmental
- **Temperature**
  - Operating: 0 to 45 degrees Celsius
  - Non-Operating: -25 to 70 degrees Celsius
- **Humidity**
  - Operating: 30% to 90% Relative Humidity (Non-Condensing)
  - Non-Operating: 30% to 95% Relative Humidity (Non-Condensing)