



KEY FEATURES

- ⊕ Fully featured ADSL2+ Broadband Modem for super fast Internet access
- ⊕ Ethernet single port 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 **NB7 Series** from NetComm is the perfect modem for all users wanting to experience the full benefit of ADSL2+.

The **NetComm NB7 ADSL2+ 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 ADSL2+ Ethernet Router also provides higher data transmission rates with ADSL2, ADSL2+, and Extended Reach-ADSL support. The **NB7** 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 NB7 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 ADSL2+ 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 security at the same time.

TECHNICAL SPECIFICATIONS

ADSL/ATM SUPPORT

- ANSI T1.413 issue 2, ITU-T G.992.1 (G.dmt) and G.992.2 (G.lite) compliant
- ITU-T G.992.1 (G.dmt Annex B) Population Option
- ADSL2, ADSL2+, RE-ADSL compliant
- ADSL2+ Annex M Support
- Rate Adaptive modem at 32 Kbps steps
- TR-067 Compliance
- ATM Layer with Traffic shaping QoS Support (UBR, CBR, VBR-rt, VBR-nrt)
- AAL ATM Attributes - AAL5
- Multiple PVC up to 16 support
- Spectral compatibility with POTS
- F5 OAM Loopback/Send and Receive

ENCAPSULATION SUPPORT

- RFC2684 Bridge and Routed LLC and VC Mux support
- RFC2364 PPPoA Client support
- RFC2516 PPPoE Client support
- RFC2225/RFC1577 Classical IP Support
- Transparent Bridge Support
- PAP/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 Session IP Sec and PPTP/L2TP VPN pass through support
- PPP Always on with configurable timeout
- PPP Dial on Demand
- Universal Plug and Play Support

MANAGEMENT SUPPORT

- Web Based HTTP management GUI
- TFTP/FTP Support for Firmware Upgrade
- Web Based Firmware Upgrade (Local)
- Soft Factory Reset Button via Web GUI
- Diagnostic Test (DSL, OAM, Network, Ping Test)
- Telnet/CLI (Read Only)
- Syslog Support
- TR-069 Remote Management Support
- Firmware upgradeable for future feature enhancement

SECURITY SUPPORT

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

HARDWARE

- Broadcom BCM6338 Single Chip ADSL2+ Transceiver
- Broadcom BCM6301 Line Driver
- 2 MB NOR Flash ROM (Population Option of 0.5MB SPI Flash or 4MB NOR Flash)
- 8 MB SDRAM (Population Option of 2MB or 16MB)
- Dying Gasp Support
- ITU K.21 Support
- 10KV Surge Protection Support (Population Option)

* Feature subject to change

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-11 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
- 1 x On/Off Push Button Switch (Population Option)

Measurements :

- Dimension : 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

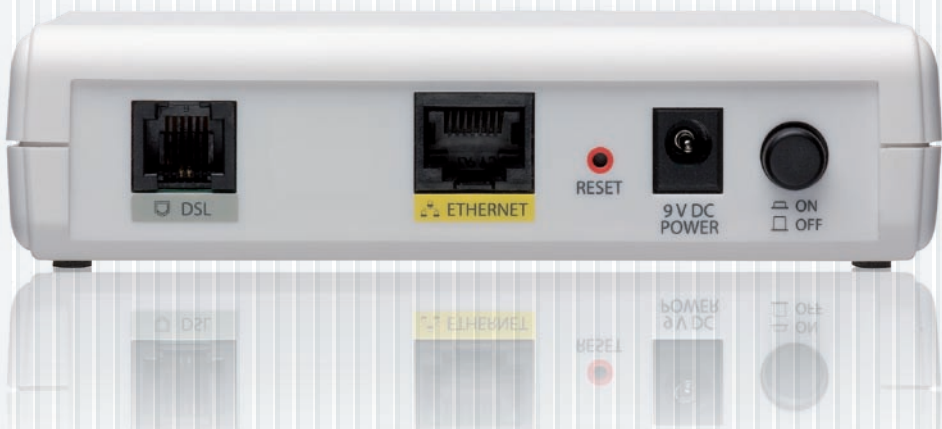
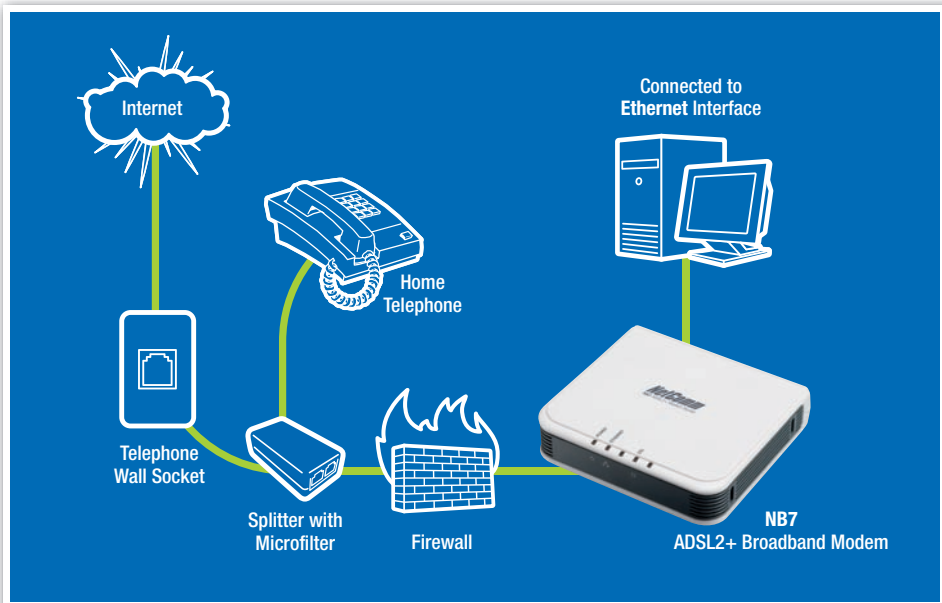
ENVIRONMENTAL

TEMPERATURE

- Operating :
0o to 40 o Celsius
32 o to 104 o Fahrenheit
- Non-Operating :
-25 o to 70 o Celsius
-13 o to 158 o Fahrenheit

HUMIDITY

- Operating : 30% to 80% Relative Humidity (Non-Condensing)
- Non-Operating : 30% to 95% Relative Humidity (Non-Condensing)



Your NetComm dealer: