## NETCOMM GATEWAY<sup>™</sup> SERIES ADSL2+ Wireless G Modem Router with VoIP





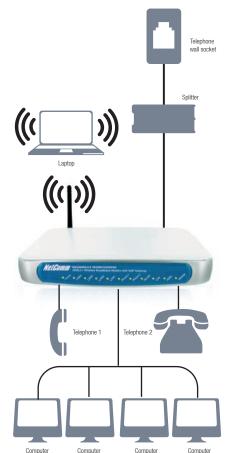
## **KEY FEATURES**

- Full featured ADSL2+ Broadband Modem
- Integrated VoIP, Router and wireless G/54Mbps Wireless Access Point
- O Choose to call out on either your VoIP or Landline Telephone service
- O QoS (Quality of Service) Layer 3 Router to maintain VoIP call quality
- 2 FXS Ports, 1 FXO Port (Lifeline) and 4-Port LAN Switch
- Simple Web based setup and configuration
- O PSTN Lifeline support^
- Day-Time parental Control
- Supports advanced Call services Caller ID, Call On-Hold, Call Forward, Call Waiting and Transfer†
- O Xpress™ Wireless Booster functionality

Model Code/ Part Number	Description	APN Code
NB9WMAXX	NetComm Gateway™ Series ADSL2+ Wireless G Modem Router with VoIP	9317773012408

# NETCOMM GATEWAY<sup>™</sup> SERIES ADSL2+ Wireless G Modem Router with VoIP





### NetComm's Powerful all-in-one Device

NetComm's NB9WMAXX is a powerful ADSL2+ Modem/Router, Wireless G/54Mbps Wireless access point and VoIP Integrated Access Device (IAD), providing predictable, real-time, toll-quality voice calls over the Internet. It is designed for residential and business users who need to integrate ADSL2/2+ broadband services, wired and wireless networking and VoIP technologies in one device. Add to this an FXO (line) port to connect a regular telephone service for lifeline backup.

#### **VoIP Features**

The NB9WMAXX's VoIP feature allows calls to be routed anywhere in the world, significantly reducing or eliminating long distance call charges. Unlike some other VoIP devices you can even make phone calls when your PC is turned off. The NB9WMAXX also provides exceptional voice calls during periods of heavy Internet use, by employing Layer 3 policy-based Quality of Service (QoS), which prioritises your voice packets ensuring VoIP call quality. With NetComm's NB9WMAXX, you have all of your Internet, networking and communication needs integrated into one stylish desktop unit eliminating the clutter of many separate devices.

^ NetComm will not accept responsibility for failed Lifeline support.

† Note: The availability of some listed call features are dependent on the services supported by your VoIP service provider. Please consult them for further information

Maximum wireless signal rate derived from IEEE Standard 802.11g and draft 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. 1

# APPROVALS • A-Tick N367

- PORTS
- 1 x ADSL Line port RJ-11
   1 x Telephone Lin

   RJ-11
   2 x Telephone Handset ports RJ-11

   4 x LAN port RJ-45 IEEE 802.3 10/100 Base-T, Auto-crossing
   1 x Telephone Line port
- WAN / LAN INTERFACE
- G.992.5 (ADSL2+) G.992.5
  G.992.1
  ANSI T.4
- ANSI T.413 Issue 2
- VBR)
- VBR) Multiple PVCs (up to 8 supported) F4/F5 OAM Loop-backs / Send & Rec AAL ATM Attributes AAL5 AT ATM UNI support: UNI3.1/4.0

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- ENCAPSULATION SUPPORT PPPoE (RFC2516)
- PPPoA (RFC2364) Route
  Classical IP over ATM (RFC1577)

- NETWORK SUPPORT
- Port forwarding rules for popular games / applications Static IP, dynamic RIP v1 / v2 routing support
- IP/TCP/UDP/ICMP/ARP protocol support

NetGamm

- III/TCP/UDP/ICMP/ARP protocol support

   Network Address Translation (NAT)

   Port Address Translation (PAT)

   Port Triggering

   DMZ host

   Transparent bridging & learning (IEEE 802.1d)

   ICMP Dravy

   ICMP Snooping
   IGMP Provs IGMP Provs DHCP Server/Client/Relay • DNS Authentication protocols: CHAP / PAP VPN (IPSec / PPTP / L2TP) pass-through QoS: Layer 3 policy-based / IPQoS / ToS (Type of Service)

G.992.3 (ADSL2)

ATM QoS (UBR, CBR,

RFC 2684 (RFC 1483)

RFC 2684 (RFC 1483)

G.992.2

IEEE 802.11g, backward compatible with 802.11b

VOIP

SIP (RFC3261)

2 x FXS, 1 X FXO pass-through

RTP (RFC1889)
On/Off Hook Caller ID (ETSI based)
Lifeline
Echo cancellation (G.168)

- IEEE 802.11g, backward compatible with 802.11b Encryption: 64, 128-bit Wired Equivalent Privacy (WEP), Wi-fi Protected Access (WPA) 802.1x RADIUS Authentication Channels: 13 Channels (Australia) Data Rate: Up to 54Mbps 10, 25, 50, 100mW @ 22MHz channel bandwidth output power level adjustments
  - adjustments MAC Address Filtering • XPressTM Technology Wi-Fi Multimedia (WMM) AP Isolation
- 54gTM Mode
  Wireless Bridge (WDS)

WIRELESS

LED Power, ADSL, Line, Phone1, Phone2, LAN 4, LAN 3, LAN2, LAN1, WLAN, Internet

- DIMENSIONS 227 mm (W) x 40 mm (H) x 144 mm (D)

SNTP client

TR069/TR104

- 227 mm (W) x 40 mm (H) x 144 mm (U)

   MANAGEMENT SUPPORT
   Web-based GUI (LAN or remote)
   'root', 'support', 'user' access rights
   SNMP agent
   SMVP agent
   Configuration backup and restoration
   Syslog (remote / local)
   Software upgrade via TFTP, FTP
   Local firmware upgrade via HTTP (Web GUI)
   Teinet
   SSH Diagnostics report with troubleshooting help
- ENVIRONMENTAL CONDITIONS
- Operating temperature 0 ~ 50°Celsius
  Relative humidity 5 ~ 90% (non-condensing)
- POWER SUPPLY External power adapter 240 VAC (input) ~ 15VDC/1.6A (output)
- PACKAGE CONTENTS
- NB9WMAXX ADSL2+ Modem Router
- ISVDC 1.6 Amps power supply RJ-11 ADSL Line connection cable RJ-45 10/100 Ethernet cable Driver/Manual & Utility Software CD
- Quick Start Guide

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Security and the second sector (SPI) Security Stateful Packet Inspection (SPI) Packet filtering Traffic conditioning Denial of Service (DoS) protection 
WFO-based bandwidth management (Congestion management)
HTTP proxy Parental control
Access Control IP filtering
MAC filtering

T38 Fax

Codec: G.711, G.729ab

SDP (RFC2327)

Silence suppression