

NETCOMM GATEWAY™ SERIES ADSL2+ Wireless G Modem Router with VoIP

NetComm®



KEY FEATURES

- Ⓢ Full featured ADSL2+ Broadband Modem
- Ⓢ Integrated VoIP, Router and wireless G/54Mbps Wireless Access Point
- Ⓢ Choose to call out on either your VoIP or Landline Telephone service
- Ⓢ 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
- Ⓢ PSTN Lifeline support^
- Ⓢ Day-Time parental Control
- Ⓢ Supports advanced Call services – Caller ID, Call On-Hold, Call Forward, Call Waiting and Transfer†
- Ⓢ Xpress™ Wireless Booster functionality

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

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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

1 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.

TECHNICAL SPECIFICATIONS

PORTS

- 1 x ADSL Line port 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.992.1
- ANSI T.413 Issue 2 VBR
- Multiple PVCs (up to 8 supported)
- F4/F5 OAM Loop-backs / Send & Receive
- AAL ATM Attributes - AAL5
- ATM UNI support: UNI3.1/4.0
- G.992.3 (ADSL2)
- G.992.2
- ATM QoS (UBR, CBR, VBR)

ENCAPSULATION SUPPORT

- PPPoE (RFC2516) Bridge
- PPPoA (RFC2364) Route
- Classical IP over ATM (RFC1577)
- RFC 2684 (RFC 1483)
- RFC 2684 (RFC 1483)

NETWORK SUPPORT

- Port forwarding rules for popular games / applications
- Static IP, dynamic RIP v1 / v2 routing support
- ARP
- IP/TCP/UDP/ICMP/ARP protocol support
- Network Address Translation (NAT)
- Port Address Translation (PAT)
- Port Triggering
- Transparent bridging & learning (IEEE 802.1d)
- IGMP Proxy
- DHCP Server/Client/Relay
- Authentication protocols: CHAP / PAP
- VPN (IPSec / PPTP / L2TP) pass-through
- QoS: Layer 3 policy-based / IPQoS / ToS (Type of Service)
- DMZ host
- IGMP Snooping
- DNS

APPROVALS

- A-Tick N367

VOIP

- 2 x FXS, 1 X FXO pass-through
- SIP (RFC3261)
- RTP (RFC1889)
- On/Off Hook Caller ID (ETSI based)
- Lifeline
- Echo cancellation (G.168)
- T38 Fax
- Codec: G.711, G.729ab
- SDP (RFC2327)
- Silence suppression

SECURITY

- Stateful Packet Inspection (SPI)
- Packet filtering
- Denial of Service (DoS) protection
- WFQ-based bandwidth management (Congestion management)
- HTTP proxy
- Access Control
- MAC filtering
- Traffic conditioning
- Parental control
- IP filtering

WIRELESS

- 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
- MAC Address Filtering
- 54gTM Mode
- Wireless Bridge (WDS)
- XPress™ Technology
- Wi-Fi Multimedia (WMM)
- AP Isolation

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)

MANAGEMENT SUPPORT

- Web-based GUI (LAN or remote)
- 'root', 'support', 'user' access rights
- SNMP agent
- ILM1 4.0
- Configuration backup and restoration
- Syslog (remote / local)
- Software upgrade via TFTP, FTP
- Local firmware upgrade via HTTP (Web GUI)
- Telnet
- Diagnostics report with troubleshooting help
- SSH
- SNMP client TR069/TR104

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
- 15VDC 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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