

NetComm® NETCOMM GATEWAY™ SERIES ADSL2+ Wireless N300 Modem Router with VoIP



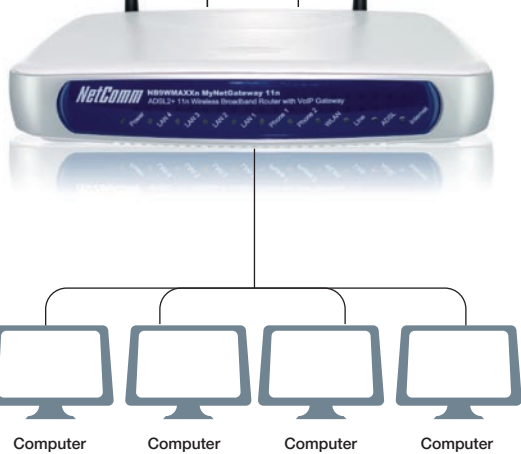
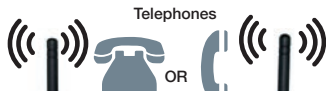
KEY FEATURES

- Ⓞ Fully integrated ADSL2+ Broadband Modem Router allowing high speed connection to the Internet
- Ⓞ Wireless N access point providing speeds of up to 300Mbps¹
- Ⓞ Integrated VoIP ATA, with 2 phone ports, allows user to save money by making phone calls over the Internet
- Ⓞ 4 x 10/100 LAN ports for wired connectivity
- Ⓞ FXO "Lifeline" port giving users the option to call out through the PSTN line[^]
- Ⓞ Layer 3 QoS (Quality of Service) to ensure "Top Quality" VoIP phone calls
- Ⓞ Supports advanced call services – Caller ID, Call On-Hold, Call Forward, Call Waiting and Transfer[†]
- Ⓞ Simple to use Web Based User Interface

Model Code/ Part Number	Description	APN Code
NB9WMAXXn	ADSL2+ Wireless N300 Modem Router with VoIP	9317773013207



NETCOMM GATEWAY™ SERIES ADSL2+ Wireless N300 Modem Router with VoIP



NetComm's Powerful all-in-one Device

NetComm's NB9WMAXXn has all the advanced features of the NB9WMAXX but with advanced wireless N connectivity. Offering wireless speeds of up to 300Mbps¹ the NB9WMAXXn has up to 600% greater speed than the original NB9WMAXX, and an extended wireless coverage.

VoIP Features

The NB9WMAXXn'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 NB9WMAXXn 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 NB9WMAXXn, you have all of your Internet, networking and communication needs integrated into one stylish desktop unit eliminating the clutter of many separate devices.

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[^] 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

NB9WMAXXN PORTS

- 1x ADSL Line port RJ-11
- 1x Telephone Line port RJ-11
- 2x Telephone Handset ports RJ-11
- 4x LAN ports RJ-45 IEEE 802.3 10/100 Base-T, Auto-crossing

WAN INTERFACE

- G.992.5 (ADSL2+ with Annex M support)
- G.992.3 (ADSL2) • G.992.2
- ANSI T.413 Issues 2 • ATM QoS(UBR,CBR,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

LAN INTERFACE

- Ethernet x 4

WIRELESS

- IEEE 802.11n, backward compatible with 802.11b/g
- Encryption: 64, 128-bit Wired Equivalent Privacy (WEP) Data Encryption • Wi-Fi Protected Access WPA/ WPA2
- IEEE 802.1x RADIUS Authentication
- Channels: 13 Channels (Australia)
- Data rate: Up to 300Mbps • MAC address filtering
- XPress™ Technology • 54g™ Mode
- Wi-Fi Multimedia (WMM)
- 10, 25, 50, 100mW @ 22MHz channel bandwidth output power level

ADJUSTMENTS

- Wireless Bridge (WDS) • AP Isolation

ENCAPSULATION SUPPORT

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

NETWORK SUPPORT

- Port forwarding rules for popular games and 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 • DMZ host
- Transparent bridging & learning (IEEE 802.1d)
- IGMP Proxy • IGMP Snooping
- 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)

VOIP

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

SECURITY

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

MANAGEMENT SUPPORT

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

POWER SUPPLY

- External power adapter 240 VAC (input) ~ 15VDC/1.6A (output)

APPROVALS

- A-Tick N367

ENVIRONMENTAL CONDITIONS

- Operating temperature 0 ~ 50°Celsius
- Relative humidity 5 ~ 90% (non-condensing)

DIMENSIONS

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

PACKAGE CONTENTS

- NB9WMAXXn ADSL2+ Router
- 15VDC 1.6 Amp 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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