| KEY FEATURES |
|---|
| ⊙ Full featured ADSL2+ Broadband Modem |
| ⊙ Integrated VoIP, Router and 11g/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 |

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

NetComm's NB9WMAXX is a powerful ADSL2+ Modem/Router, 11g/54Mbps Wireless AP 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.

### New VoIP Features

The NB9WMAXX's VoIP feature allows calls to be routed anywhere in the world, significantly reducing or eliminating long distance call charges. 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 policy-based on Layer 3 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.

## TECHNICAL SPECIFICATIONS

### PORTS
- 1 x ADSL Line port RJ-11  • 1 x Telephone 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

### WAN / LAN INTERFACE
- G.992.5 (ADSL2+)    • G.992.3 (ADSL2)
- G.992.1             • G.992.2
- ANSI T.413 Issue 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

### 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 / 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)

### APPROVALS
- A-Tick N367

### VoIP
- 2 x FXS, 1 X FXO     • SIP (RFC3261)
- RTP (RFC1889)        • Codec: G.711, G.723.1, 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

### WIRELESS
- IEEE 802.11g/54Mbps, 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 11g/54Mbps
- 10, 25, 50, 100mW @ 22MHz channel bandwidth output  power level adjustments
- MAC Address Filtering  • XPress™ Technology
- 54g™ Mode            • Wi-Fi Multimedia (WMM)
- Wireless Bridge (WDS)  • 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           • SNTP client
- ILMI 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

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

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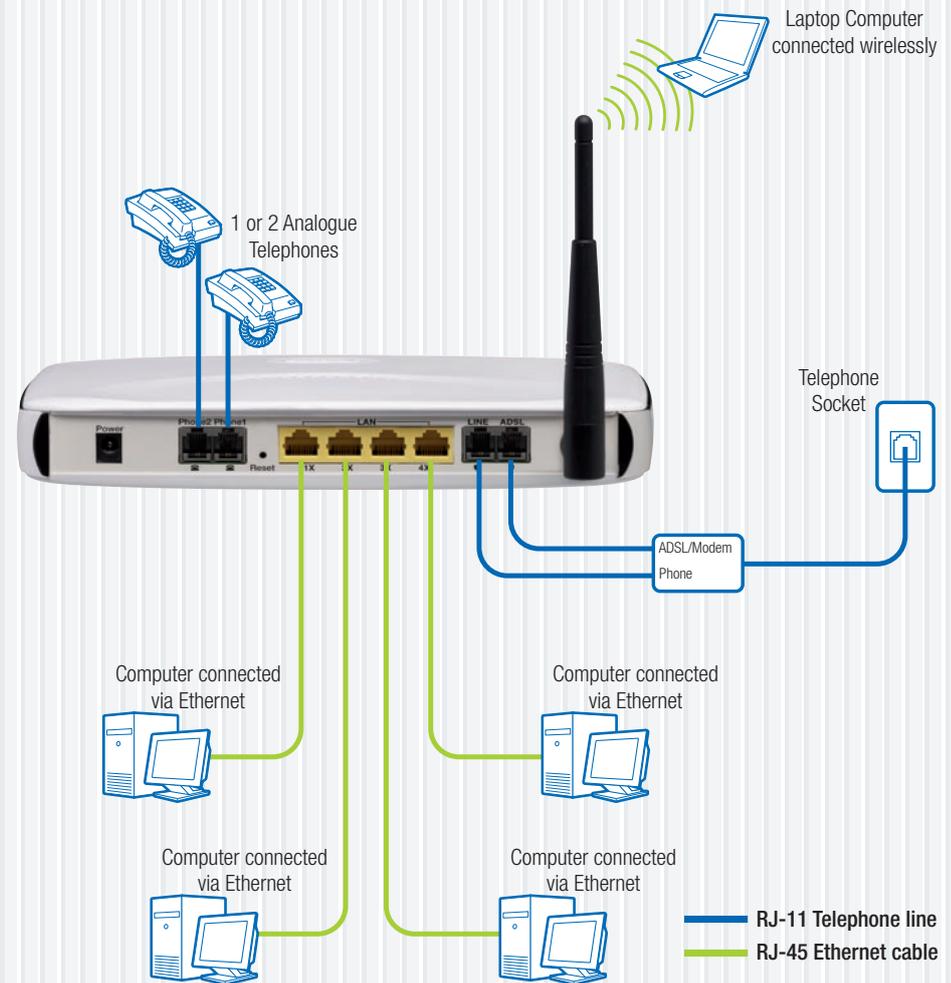- External power adapter 240 VAC (input) ~ 15VDC/1.6A (output)

### 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

## NB9WMAXX MAXX Modem Router

- Full featured ADSL2+ Broadband Modem
- Integrated VoIP Router and 11g/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
- PSTN Lifeline support^
- Day-Time parental Control
- Supports advanced Call services – Caller ID, Call On-Hold, Call Forward, Call Waiting and Transfer – service provider dependent†
- Simple Web based setup and configuration
- Xpress™ Wireless Booster functionality

^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.

Laptop Computer connected wirelessly

1 or 2 Analogue Telephones

Telephone Socket

ADSL/Modem
Phone

Computer connected via Ethernet

Computer connected via Ethernet

Computer connected via Ethernet

Computer connected via Ethernet

— RJ-11 Telephone line
— RJ-45 Ethernet cable

### Your NetComm dealer: