3 YEAR WARRANTY
WHEN YOU REGISTER ONLINE
1 year warranty out of the box. Extra 2 years FREE with online registration at www.netcomm.com.au
Note: Digital Cordless Handset only has 1 year manufacturers warranty

11g
54Mbps

KEY FEATURES

❯	Fully Integrated ADSL2+ Broadband Router allowing high speed connection to the Internet
❯	Integrated VoIP ATA, with 2 phone ports, allowing you to save money by making phone calls over the Internet
❯	FXO "Lifeline" port giving you the option to call out through the regular PSTN line
❯	802.11g Wireless Access Point providing wireless connectivity
❯	4 x 10/100 LAN ports for wired connectivity
❯	Built in USB print server supporting IP print server functionality
❯	Layer 3 QoS (Quality of Service) to ensure "Top Quality" VoIP phone calls
❯	Built in 1.8GHz GAP compatible DECT base station, allowing you to position your Digitial Cordless Handset in a convenient location
❯	User friendly Web Interface

NB12WD – NetComm's MyCommsGateway

Building on the stunning feature set of the award winning NB9WMAXX, the **NB12WD** is designed for residential and business users who want to integrate their ADSL2+ broadband service, wired and wireless networking and VoIP service with the added convenience of a **built in 1.8GHz GAP compatible DECT base-station.** An **included DECT phone with charging station**, gives you wireless VoIP functionality in one unit. Additionally, the **NB12WD** has a USB Print server port turning your USB printer into a shared network printer, allowing you to print from anywhere on your network either wired or wirelessly.

Another great feature of this unit is the inclusion of an FXO line port to connect the **NB12WD** to your regular telephone service, offering a feature known as Lifeline backup. This gives you the option to use connected telephone handsets to make calls through your regular telephone service.

2x VoIP Ports

The NB12WD 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 NB12WD also delivers high quality calls during periods of heavy Internet use, by employing Layer 3 policy-based Quality of Service (QoS), which prioritises your voice packets. With NetComm's NB12WD, you have all of your Internet, networking and communication needs integrated into one stylish desktop unit eliminating the clutter of many separate devices.

NB12WD

ADSL2+ Wireless Router with Digital Cordless Handset and VoIP Gateway

TECHNICAL SPECIFICATIONS

WAN INTERFACE
- ADSL Standard
- ITU-T G.992.5, ITU-T G.992.3, ITU-T G.992.1, ITU-T G.992.2, ANSI T1.413 Issue 2
- G.992.3(ADSL2) Downstream: Up to 12 Mbps
- Upstream: 1.3 Mbps
- G.992.5(ADSL2+) Downstream: Up to 24 Mbps
- Upstream: 1.3 Mbps
- Annex M

LAN INTERFACE
- Ethernet x 4 10/100
- USB Female 'B' Port x1 - PC or MAC LAN Connection

DECT INTERFACE
- DECT Base Station supports two DECT lines and up to 5 handsets

USB FEMALE "A" PORT
- Supports USB 1.1 & 2.0 IP Print server functionality

WLAN
- IEEE standard 802.11g backward compatible with 802.11b
- 13 channels (Australia)
- Data rates up to 54Mbps
- 10, 25, 50, 100mW @ 22MHz Channel Bandwidth output power level can be selected according to the environment

WLAN SECURITY
- Encryption 64 & 128-bit Wired Equivalent Privacy (WEP) Data Encryption
- MAC Address Filtering, WPA, WPA2 & IEEE 802.1x

ANALOG INTERFACES
- FXS x 2, FXO x 1

ATM ATTRIBUTES
- RFC 2364, RFC 2684 (RFC 1483) Bridge; RFC 2684 (RFC 1483) Route; RFC 2516; RFC 1577
- VCs 8 • AAL type AAL5
- ATM service class UBR/CBR/VBR
- ATM UNI support UNI 3.1/4.0 • OAM F4/F5 Yes

MANAGEMENT
- SNMP, SNTP, ILMI 4.0, Telnet, Web-based management, Configuration backup and restoration
- Software upgrade via HTTP, TR-069
- TFTP Client and server or FTP Server

BRIDGE FUNCTIONS
- Transparent bridging and learning IEEE 802.1d
- IGMP Proxy Yes • IGMP Snooping Yes

ROUTING FUNCTIONS
- Static route, RIP and RIP v2, NAT/PAT, DHCP Client/Server/Relay, DNS, ARP

SECURITY FUNCTIONS
- Authentication protocols PAP, CHAP
- VPN PPTP/L2TP/IPSec pass-through
- Stateful Packet Inspection, Packet filtering, Denial Of Service protection, Traffic Conditioning, WFQ-based Bandwidth management HTTP Proxy

QOS
- L3 policy-based QoS, IP QoS , ToS

VOICE FUNCTIONS
- SIP RFC 3261 • MGCP(optional) RFC 3435
- Codec G.711, G.723.1, G.729ab
- RTP RFC 1889 • SDP RFC 2327
- Caller ID ETSI based • Life line/Emergency call Failover
- Echo cancellation G.168 • Silence suppression

POWER
- External power adapter 100-240VAC to 15V DC 1.6A

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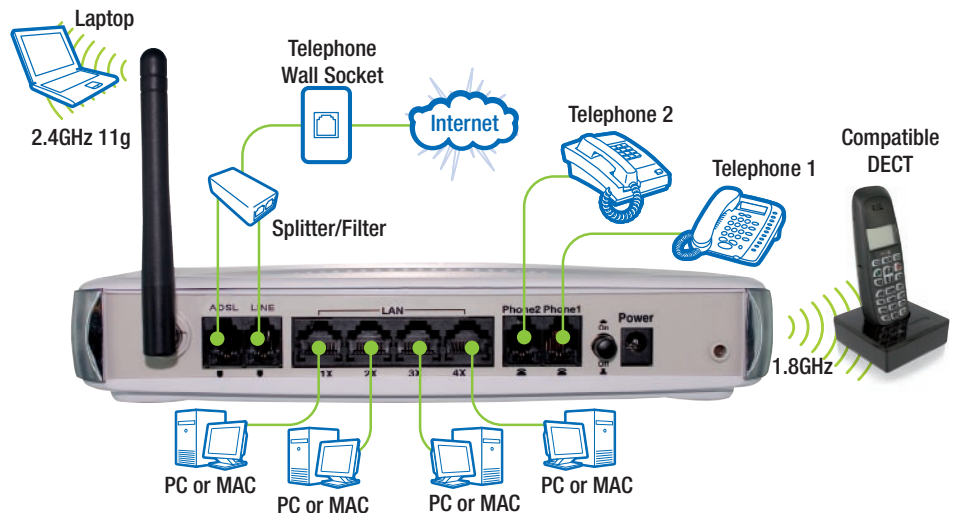- Relative humidity 5 ~ 90% (non-condensing)

DIMENSIONS
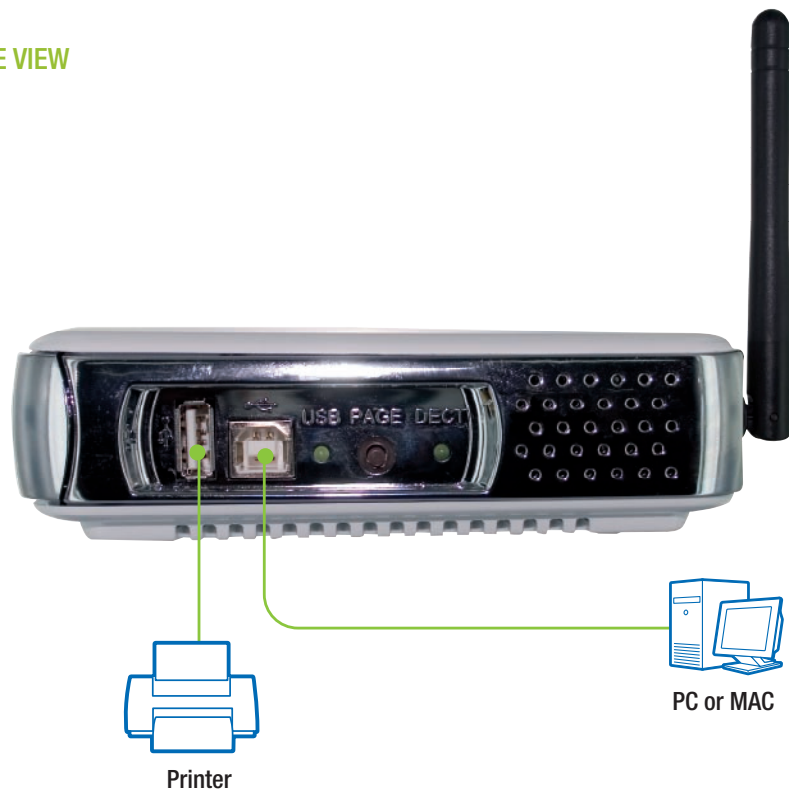- 205 mm (W) x 47 mm (H) x 145 mm (D)

PACKAGE CONTENTS
- NB12WD ADSL2+ Router
- 15VDC 1.6 Amps power supply
- 2 x RJ-11 ADSL Line connection cable
- 1 x RJ-45 10/100 Ethernet cable
- 1 x USB 2.0 cable
- User Guide (On CD)
- Printed Quick Install Guide
- Digital Cordless handset (product may differ from image)
- Charging dock for handset
- Power supply for handset
- 2 x AAA Rechargeable batteries

CONNECTION DIAGRAM

BACK VIEW

Laptop
2.4GHz 11g
Telephone Wall Socket
Internet
Splitter/Filter
Telephone 2
Telephone 1
Compatible DECT
1.8GHz
ADSL LINE   LAN   Phone2 Phone1   Power
1X 2X 3X 4X
PC or MAC
PC or MAC
PC or MAC
PC or MAC

SIDE VIEW

USB PAGE DECT
Printer
PC or MAC

NetComm®
www.netcomm.com.au

Dynalink
www.dynalink.co.nz