# NetComm NB11W

## ADSL2+/VDSL2 Wireless Broadband Modem

| KEY FEATURES | | | |
|---|---|---|---|
| ⊙ | Supports both ADSL2+ and VDSL2 | ⊙ | DHCP Server/Relay/Client |
| ⊙ | Automatically switches to ADSL2+ or VDSL2 according to the port setting of DSLAM | ⊙ | DNS Proxy |
| ⊙ | Wi-Fi Compliant | ⊙ | Auto PVC configuration |
| ⊙ | UPnP | ⊙ | Per-VC packet level QoS |
| ⊙ | Integrated 802.11g AP (optional) | ⊙ | Up to 16 VCs |
| ⊙ | WPA and 802.1x | ⊙ | Embedded SNMP agent |
| ⊙ | RADIUS client | ⊙ | Web-based management |
| ⊙ | IP /MAC address filtering | ⊙ | Remote configuration and upgrade |
| ⊙ | Static route/RIP/RIP v2 routing functions | ⊙ | Supports TR-069/TR-098/TR-111 |
| ⊙ | Dynamic IP assignment | ⊙ | Configuration backup and restoration |
| ⊙ | IP QoS | ⊙ | FTP server |
| ⊙ | NAT/PAT | ⊙ | TFTP server |
| ⊙ | IGMP Proxy and fast leave | ⊙ | |

## TECHNICAL SPECIFICATIONS

### REAR PANEL
- RJ-11 X1 for ADSL2+/VDSL2, RJ-45 X 4 for LAN, Reset Button X 1, Power switch X 1, optional USB host/device

### DSL
**ADSL standard**
- ITU-T G.992.5, ITU-T G.992.3, ITU-T G.992.1, ANSI T1.413 Issue 2

**ADSL2+**
- Downstream : 24 Mbps Upstream : 1.3 Mbps

**VDSL2 standard**
- ITU-T G.993.2

**VDSL2**
- Downstream : 100 Mbps Upstream : 60 Mbps

### ETHERNET
**Standard**
- IEEE 802.3, IEEE 802.3u

**10/100 BaseT**
- Auto-sense

**MDI/MDX support**
- Yes

### WIRELESS (OPTIONAL)
**Standard**
- IEEE802.11g, backward compatible with 802.11b

**Encryption**
- 64, 128-bit Wired Equivalent Privacy (WEP) Data Encryption

**Channels**
- 11 Channels (US, Canada)/ 13 Channels (Europe)/ 14 Channels (Japan)

**Data Rate**
- Up to 54Mbps

**WPA**
- Yes

**WPA2**
- Yes

**IEEE 802.1x**
- Yes

### ATM ATTRIBUTES
- RFC 2364 (PPPoA), RFC 2684 (RFC 1483) Bridge/Route; RFC 2516 (PPPoE); RFC 1577 (IPoA)

**Support PVCs**
- 16

**AAL type**
- AAL5

**ATM service class**
- UBR/CBR/VBR

**ATM UNI support**
- UNI3.1/4.0

**OAM F4/F5**
- Yes

### MANAGEMENT
- SNMP, Telnet, Web-based management, Configuration backup and restoration
- Software upgrade via HTTP, TFTP server, or FTP server
- Supports TR-069

### BRIDGE FUNCTIONS
**Transparent bridging and learning**
- IEEE 802.1d

**VLAN support**
- Yes

**Spanning Tree Algorithm**
- Yes

**IGMP Proxy**
- Yes

### ROUTING FUNCTIONS
- Static route, RIP, and RIPv2, NAT/PAT, DHCP Server/DHCP Relay, DNS Proxy, ARP

### SECURITY FUNCTIONS
**Authentication protocols**
- PAP, CHAP, TCP/IP/Port filtering rules, Port triggering/Forwarding, Packet and MAC address filtering, access control, SSH

### APPLICATION PASSTHROUGH
- PPTP, L2TP, IPSec, VoIP, Yahoo messenger, ICQ, RealPlayer, NetMeeting, MSN, X-box, etc

### POWER SUPPLY
**External power adapter**
- 15V 1.6A DC 240 VAC

### ENVIRONMENT CONDITION
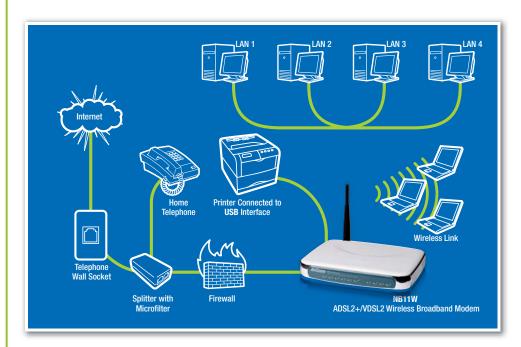**Operating temperature**
- 0 ~ 50 degrees Celsius

**Relative humidity**
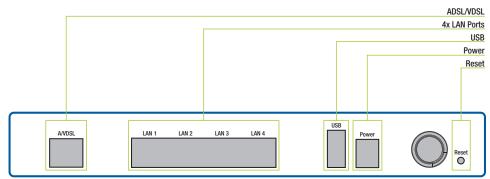- 5 ~ 90% (non-condensing)

### DIMENSIONS
- 200 mm (W) x 44 mm (H) x 136.5 mm (D)

### CERTIFICATIONS
- FCC Part 15 class B, FCC Part 68, CE

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The **NB11W** is a leading Multi-DSL router that can support both ADSL2+ and VDSL2. VDSL2 is a brand new standard and technology that is perfectly suitable for triple play (Video, Voice and Data) applications.

Four 10/100 Base-T Ethernet ports and optional USB host/device are integrated to provide wired LAN connectivity with an optional integrated 802.11g WiFi WLAN Access Point (AP) for wireless connectivity.

The **NB11W** is a cost effective solution, designed to meet the needs of ISPs and carriers that intend to use one DSL device to cover end users in different loop range areas. Using only one DSL device creates savings for the TCO of ISP and carrier, whilst simultaneously providing valuable services without the need to upgrade.

LAN 1    LAN 2    LAN 3    LAN 4

Internet

Home Telephone    Printer Connected to USB Interface

Wireless Link

Telephone Wall Socket

Splitter with Microfilter    Firewall

NB11W
ADSL2+/VDSL2 Wireless Broadband Modem

ADSL/VDSL
4x LAN Ports
USB
Power
Reset

A/VDSL    LAN 1    LAN 2    LAN 3    LAN 4    USB    Power    Reset

**www.netcomm.com.au**