

Dual ADSL2+ / 3G Wireless N Gateway *NetComm*

ADSL2+ Modem Router / 21Mbps HSPA+ Router



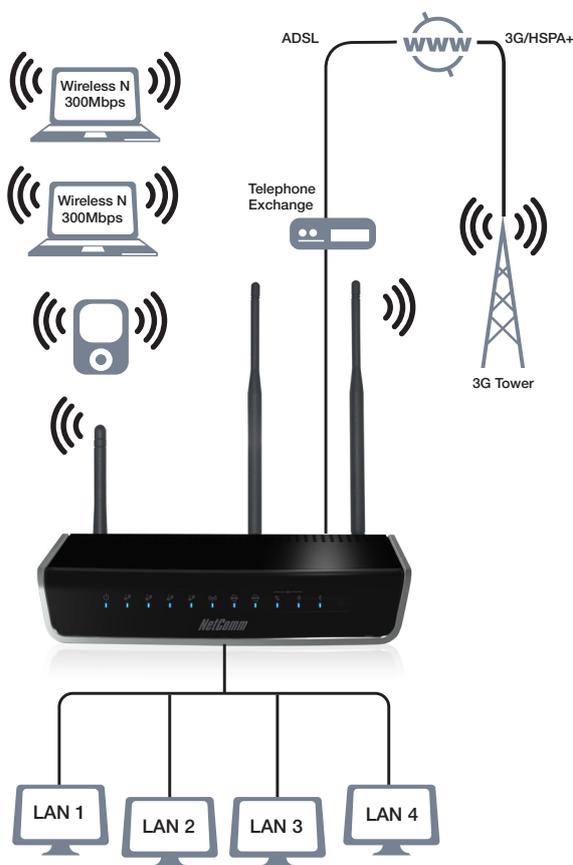
KEY FEATURES

- ⊕ Dual Internet connectivity
- ⊕ Fully featured ADSL2+ modem router - ADSL2+ speeds: 24Mbps down / 2Mbps up
- ⊕ Embedded HSPA+ module for 3G connection - 3G speeds: 21Mbps down / 5.76Mbps up
- ⊕ Automatic failover from ADSL to 3G
- ⊕ Wireless N access point providing speeds of up to 300Mbps
- ⊕ 4 x 10/100 Ethernet ports for multiple wired connections
- ⊕ 1 x USB 2.0 host port (print server / storage server)
- ⊕ 2 x 3G antennas (removable SMA-male)

Model Code/ Part Number	Description	APN Code
3G29WN	NetComm Gateway™ Series Dual ADSL2+ / 3G Wireless N Gateway	9317773014372

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ADSL2+ Modem Router / 21Mbps HSPA+ Router



A flexible high speed connection for Internet critical users and applications

The **NetComm 3G29WN Dual ADSL2+ / 3G Wireless N Gateway** is designed for business and home users that rely on a constant and reliable high speed Internet connection. By integrating an ADSL2+ and HSPA+ (3G) modem into one device, users will have the flexibility to decide how they connect to the Internet. Featuring automatic failover, the router will automatically connect to 3G should the ADSL connection fail, providing users with a constant and reliable connection to the Internet. This flexibility is a necessity for any business or personal user who engages in Internet critical activities.

Both connection methods will allow you to share the Internet among multiple users with a built-in wireless access point offering speeds of up to 300Mbps and four Ethernet ports for wired connections.

The USB port can be used to connect a printer or a storage device. By plugging in a USB printer or a USB hard drive to the router, the functionality of these products will be able to be shared with everyone connected to the 3G29WN.

The 3G29WN features the latest standards of wireless security so your network remains free from unwanted users. An advanced firewall and VPN pass-through functionality allows for maximum security and caters for the encrypted Point-to-Point communications from connected computers through the 3G29WN to a VPN Server.

The Port Forwarding and UPnP functionality provided by the 3G29WN make it easier for today's Internet users to setup and configure the various Network Port Rules needed by Internet applications such as On-Line Gaming, Peer-To-Peer file sharing and Instant Messaging services.

TECHNICAL SPECIFICATIONS

WAN INTERFACE

- 3G • ADSL2+

ADSL

- 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

ADSL ENCAPSULATION SUPPORT

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

LAN INTERFACE

- Ethernet x 4

WLAN

- MAC Address Filtering, WEP, WPA, IEEE 802.1X
- 10, 25, 50, 100mW @ 22MHz channel bandwidth. Output power level can be selected according to the environment

Standard

- IEEE802.11n, backward compatible with 802.11g/b

Encryption

- WEP, WPA, WPA2, 802.1x

Channels

- 11 Channels (US, Canada)
- 13 Channels (Europe, Australia)

WLAN Data Rate

- Up to 300Mbps

3G WAN INTERFACE

PPP

- Yes

Standard

- Comply with the 3GPP release 5

Band

- Support Quad-band GSM/GRPS (850 / 900/1800/1900 MHz)
- Support Quad-band UMTS/HSDPA/HSUPA (850/900/1900/2100 MHz)

Data Rate*

- HSUPA (up to 5.76 Mbps uplink)
- HSDPA and UMTS (up to 21Mbps downlink)
- EDGE / GPRS / GSM (up to 247 Kbps)

Antenna Type

- Removable 3G antenna

MANAGEMENT

- SNMP, SNTP, Telnet, Web-based management, Configuration backup and restoration
- Firmware upgrade via HTTP, TFTP client and server, or FTP server

ROUTING FUNCTIONS

- Static route, NAT/PAT, DMZ, DHCP Client/Server/Relay, DNS Proxy, DDNS

SECURITY FUNCTIONS

- Stateful Packet Inspection, Packet filtering, Denial Of Service protection, Management

Authentication protocols

- PAP, CHAP

VPN

- PPTP/L2TP/IpSec pass-through

LED

- Power, ADSL2+, Internet, LAN 1-4, WLAN, 3G, 2G, Signal Strength for Low, Mid and High LEDs

POWER

- External power adapter
- 100-240 VAC to 12VDC /1.5A

ENVIRONMENTAL CONDITIONS

Operating temperature

- 0 ~ 50 degrees Celsius

Relative humidity

- 5 ~ 90% (non-condensing)

DIMENSIONS

- 215 mm (W) x 37 mm (H) x 145 mm (D)

NETCOMM LIMITED

PO Box 1200, Lane Cove NSW 2066
Sydney, Australia ABN 85 002 490 486

AUSTRALIAN ENQUIRIES

P: (02) 9424 2070
F: (02) 9424 2010
E: sales@netcomm.com.au
W: www.netcomm.com.au

NEW ZEALAND ENQUIRIES

P: (09) 448 5548
F: (09) 448 5549
E: sales@netcomm.co.nz
W: www.netcomm.co.nz

INTERNATIONAL ENQUIRIES

P: +61 2 9424 2070
F: +61 2 9424 2010
E: int.sales@netcomm.com.au
W: www.netcommlimited.com