



Dual ADSL2+ / 3G Wireless N Gateway

ADSL2+ Modem Router / 21Mbps HSPA+ Router

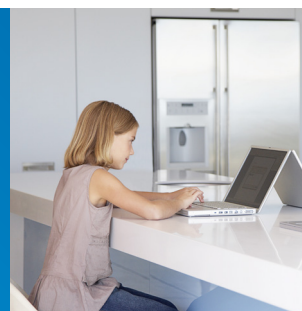


Perfect for

- Businesses that need a reliable back up to their ADSL connection
- Creating an all in one home or office network
- Choosing between connecting via ADSL or 3G
- High bandwidth applications
- Creating your own storage or printer network utilising the USB ports
- Mobile businesses
- Creating your own powerful WiFi hotspot

KEY FEATURES

- ④ Dual Internet connectivity
- ④ Fully featured ADSL2+ modem router - ADSL2+ speeds: 24Mbps down / 2Mbps up
- ④ Embedded HSPA+ module for 3G connection - 3G speeds: 21Mbps down / 5.76Mbps up²
- ④ Automatic failover from ADSL to 3G
- ④ Wireless N access point providing speeds of up to 300Mbps¹
- ④ 4 x 10/100 Ethernet ports for multiple wired connections
- ④ 1 x USB 2.0 host port (print server / storage server)
- ④ 2 x 3G antennas (removable SMA-male)





SPECIFICATIONS

WAN INTERFACE

- 3G • ADSL2+

ADSL

- G.992.5 (ADSL2+) (Annex M) • 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, WPA-PSK/WPA2-PSK

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, USB, 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

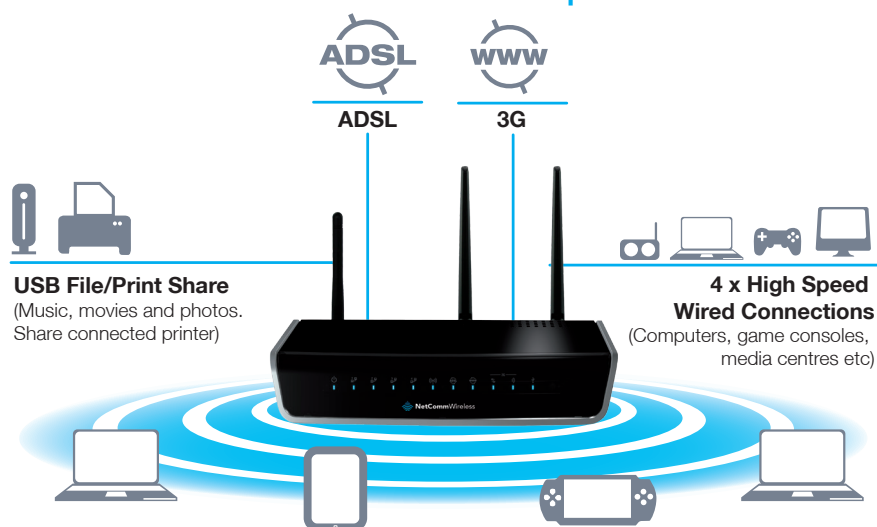
- 215 mm (W) x 37 mm (H) x 145 mm (D)

COMPLIANCE

- A-Tick/CE

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ADSL2+ Modem Router / 21Mbps HSPA+ Router



The NetComm 3G29WN2 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 300Mbps¹ 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 3G29WN2.

The 3G29WN2 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 3G29WN2 to a VPN Server. The Port Forwarding and UPnP functionality provided by the 3G29WN2 make it easier for today's Internet users to setup and configure the various Network Port Rules needed by Internet applications such as Online Gaming, Peer-To-Peer file sharing and Instant Messaging services.

- 1 Maximum wireless signal rate and coverage values are derived from IEEE Standard 802.11g and 802.11n specifications. Actual wireless speed and coverage are dependent on network and environmental conditions included but not limited to volume of network traffic, building materials and construction/layout.
- 2 Speeds are dependent on network conditions and coverage. See coverage maps of your carrier or mobile service provider for more details.



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