

# NETCOMM GATEWAY™ SERIES ADSL2+ HSPA/3G Router

*NetComm*®



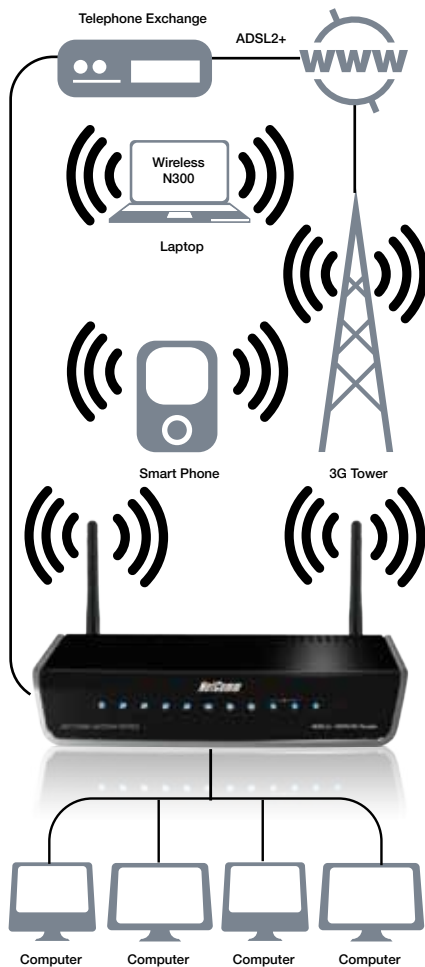
## KEY FEATURES

- ④ Auto-failover from ADSL2+ to 3G
- ④ Sierra Wireless MC8790 / MC8792V HSPA Module
- ④ 3G speeds: 7.2Mbps down / 5.76Mbps up
- ④ ADSL2+ speeds: 24Mbps down / 2Mbps up
- ④ 4 x 10/100 Ethernet ports
- ④ 802.11n 300Mbps Wireless (internal antennas)
- ④ 2 x 3G antennas (removable SMA-male)
- ④ 1 x USB 2.0 host port (print server / storage server)

Model Code/ Part Number	Description	APN Code
3G12W	NetComm Liberty™ Series ADSL2+ HSPA/3G Router	

# NETCOMM GATEWAY™ SERIES ADSL2+ HSPA/3G Router

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## A reliable wireless network for simple and affordable networking

- Create a network at home or in the office with multiple wireless devices; including PC's, laptops, Wireless phones and PDAs.
- Primary connection is ADSL2+ with HSPA/3G as a backup.
- Mobile business solution provides workers remote high-speed access to large volumes of data, emails, Internet and business applications on the move.
- Perfect for businesses that need an always on Internet connection.
- Provides a consistent & reliable ADSL or HSPA/3G connection to the Internet.
- Designed to allow SME and home users to enjoy the freedom of secure, high-speed-Internet connectivity anywhere – anytime!
- Downstream ADSL2+ data rates of 24Mbps & 2Mbps upstream using ADSL2+.\*
- Downstream HSPA/3G data rates of up to 7.2Mbps & 5.76Mbps upstream.\*\*
- Connects multiple wired or wireless devices to the one secure Internet connection.
- Works as a fixed line replacement.
- Allows users to watch movies, download music or access e-mail without the need of a fixed line Internet connection.
- Multiple users can share the one data bundle, making it a cost effective device.

\* Depends on distance from exchange

\*\* Depends on 3G network conditions

## TECHNICAL SPECIFICATIONS

### WAN INTERFACE

- 3G x 1 • 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

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

### Channels

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

- 14 Channels (Japan)

### WLAN Data Rate

- Up to 300Mbps

### 3G WAN INTERFACE

#### PPP

- Yes

#### Standard

- Comply with the 3GPP release 5 UMTS specification

#### Band

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

#### Data Rate\*

- HSUPA (up to 5.76 Mbps uplink)
- HSDPA and UMTS (up to 7.2 Mbps downlink)
- EDGE / GPRS / GSM (up to 247 Kbps)

#### Antenna Type

- Removable 3G antenna
- Removable 11g Wi-Fi Antenna

### MANAGEMENT

- SNMP, SNMP, 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 4, LAN 3, LAN2, LAN 1, WLAN, 3G, 2G, Signal Strength for Low, Mid and High LEDs

### POWER

- External power adapter
- 100-240Vac to 12Vdc /1.5A

### 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)

*NetComm*®  
www.netcomm.com.au

NETCOMM LIMITED ABN 85 002 490 486 PO Box 1200, Lane Cove NSW 2066 Australia  
P: (02) 9424 2070 F: (02) 9424 2010 E: sales@netcomm.com.au W: www.netcomm.com.au

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