NETCOMM LIBERTY™ SERIES
3G Wi-Fi Router

NetComm®

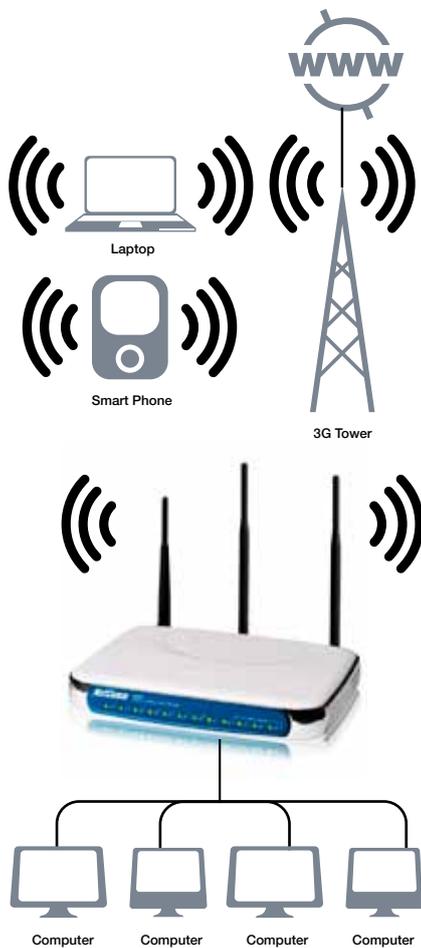## KEY FEATURES

⊗ Combines 3G Broadband service, Wi-Fi and Ethernet gateway in one device

⊗ Worldwide coverage through tri-band HSUPA/HSDPA/UMTS (850 / 1900 / 2100 Mhz), quad-band EDGE/GSM (850 / 900 / 1800 / 1900 Mhz)

⊗ Integrated 802.11g AP (backward compatible with 802.11b)

⊗ UPnP (Universal Plug and Play)

⊗ WEP/WPA/WPA2 and 802.1x Wireless Security

⊗ MAC address and IP address filtering

⊗ Static route functions

⊗ DNS Proxy

⊗ NAT/PAT

⊗ Embedded Sierra Wireless MC8790 multimode HSUPA/HSDPA/UMTS/EDGE/GPRS/GSM module

⊗ CLI command interface

Model Code/ Part Number	Description	APN Code
3G9W	NetComm Liberty™ Series 3G Wireless Router	

NETCOMM LIBERTY™ SERIES
3G Wi-Fi Router

NetComm®

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, Wi-Fi phones and PDAs.

- No need for ADSL/cable – works with any 3G network.

- Mobile business solution provides workers remote high-speed access to large volumes of data, emails, Internet and business applications on the move.

- Ideal for remote country areas that do not have ADSL/cable.

- Broadband in the car – plug your 3G9W8780 into a DC converted power supply. No more bored kids on long car trips!

- Easy to use and as reliable as your mobile phone connection.

- Provides a consistent & reliable 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 data rates of up to 7.2 Mbps & 2Mbps upstream.
  (upgradable to 5.76Mbps)

- 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.

WWW

Laptop

Smart Phone

3G Tower

Computer **Computer** **Computer** **Computer**

TECHNICAL SPECIFICATIONS

WAN INTERFACE
- 3G x 1

LAN INTERFACE
- Ethernet x 4

WLAN
- MAC Address Filtering, WEP, WPA, WPA2, IEEE 802.1X
- 10, 25, 50, 100mW @ 22MHz channel bandwidth Output power level can be selected according to the environment

Standard
- IEEE802.11g, backward compatible with 802.11b

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

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

WLAN Data Rate
- Up to 54Mbps

WAN CONNECTION

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 UTMS/HSDPA/HSUPA (850/1900/2100 MHz)

Data Rate*
- HSUPA up to 2.0 Mbps uplink (upgradable to 5.76Mbps)
- HSDPA and UMTS (up to 7.2 Mbps downlink)
- EDGE / GPRS / GSM (up to 247 Kbps)

Antenna Type
- Removable 3G antennas

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, LAN 4, LAN 3, LAN2, LAN 1, WLAN, 3G, 2G, Signal Strength for Low, Med 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)