4G LTE WiFi Router

Perfect for

- Creating your own powerful WiFi hotspot and personal network using the speed of 4G broadband
- Locations without a fixed ADSL, Cable or Fibre connection available
- High bandwidth applications, such as media streaming to connected devices
- Utilising the Gigabit port for an alternate connection to ADSL or Fibre broadband
- Creating your own storage network utilising the USB ports

KEY FEATURES

- Connects to the 4G LTE network for high speed internet access
- Falls back to HSPA+ if LTE becomes unavailable
- Delivers data speeds of up to 100Mbps downlink and 50Mbps uplink[2] (LTE)
- Gigabit Ethernet port configurable as WAN or LAN. Can be used as an alternate connection to a fibre or fixed line service (WAN) or for a high-speed connection to a LAN device such as a NAS (LAN)
- 3 x 10/100 LAN ports for multipe wired connections
- Creates a secure WiFi network to connect up to 16 WiFi devices such as laptops, smart phones and gaming consoles
- Local WiFi speeds of up to 300Mbps[1] – 2T/2R internal antenna configuration
- 2 USB ports to connect and create a network for mass storage devices
- Ideal for home and businesses without access to ADSL or cable
- Multiple users can connect and share the one data bundle making it a cost effective device
- The device allows users to freely take their connection with them

NetCommWireless

4G100W

4G LTE WiFi Router

SPECIFICATIONS

LTE
- LTE FDD Cat 3 (DL 100Mbps / UL 50Mbps) bands:
  - **4G100W-01**
    - o Band 4 (AWS 1700/2100)
    - o Band 17 (700)
  - **4G100W-02**
    - o Band 1 (2100)   o Band 3 (1800)
    - o Band 7 (2600)   o Band 8 (900)
    - o Band 20 (DD800)
  - **4G100W-03**
    - o Band 13 (700)

DC-HSPA+
- Up to 42 Mbps downlink
- Up to 5.67 Mbps uplink
- UMTS HSPA-DC (42Mbps) bands:
  - **4G100W-01**
    - o Band 1 (2100)   o Band 2 (1900)
    - o Band 5 (850)   o Band 6 (800)
  - **4G100W-02**
    - o Band 1 (2100)   o Band 8 (900)
  - **4G100W-03**
    - o Band 1 (2100)   o Band 2 (1900)
    - o Band 5 (850)   o Band 8 (900)

WWAN INTERFACE
- 4G x 1

WAN INTERFACE
- Gigabit Ethernet x 1 (Configurable WAN/LAN)

LAN INTERFACE
- 10/100 Ethernet x 3

USB HOST
- USB host ports x 2

WLAN
- MAC Address Filtering, WEP, WPA, IEEE 802.1X

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

ENCRYPTION
- WEP, WPA, WPA2

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

WLAN DATA RATE
- Up to 300Mbps

WAN CONNECTION
- **PPP/IP**
  - Yes
- **ANTENNA**
  - Internal 4G Antennas x2
  - External MS-147 switching antenna connectors
- **MANAGEMENT**
  - SNMP, SNTP, Telnet, Web-based management, Configuration backup and restoration
  - Firmware upgrade via HTTP

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

LEDS
- Power, LAN 4, LAN 3, LAN2, LAN 1, WLAN, Internet, 4G, Signal Strength for Low, Mid and High LEDs

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

ENVIRONMENTAL CONDITIONS
- **OPERATING temperature**
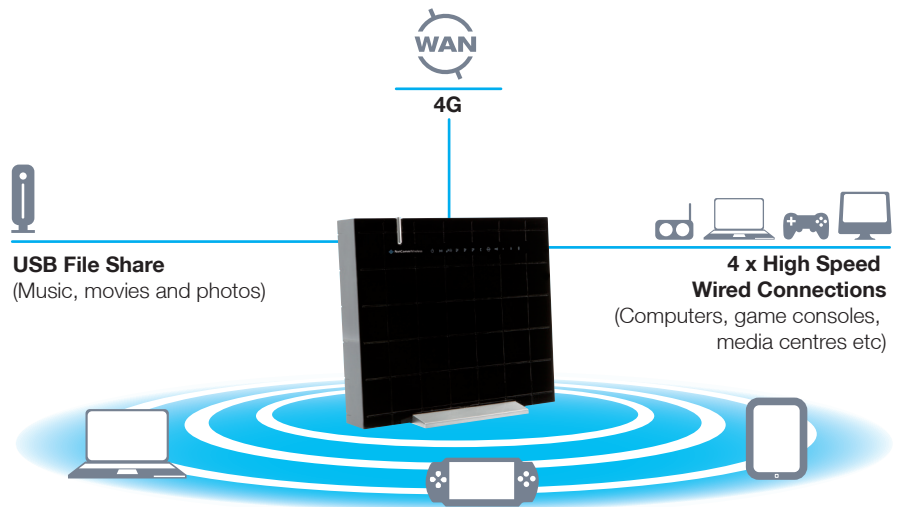- 0 ~ 50 degrees Celsius
- **RELATIVE humidity**
  - o 5 ~ 90% (non-condensing)

DIMENSIONS
- 205 mm (W) x 175 mm (H) x 31 mm (D)

WAN
4G

USB File Share
(Music, movies and photos)

4 x High Speed Wired Connections
(Computers, game consoles, media centres etc)

The LTE WiFi Router integrates a powerful LTE module that enables users to connect to worldwide 4G/3G networks and enjoy peak speeds of up to 100Mbps (4G/LTE), 42Mbps (3G/HSPA+) downlink and 50Mbps (4G/LTE), 5.76Mbps (3G/HSPA+) uplink[2].

The router creates an instant 300Mbps[1] WiFi network connecting up to 16 wireless devices simultaneously such as laptops, gaming consoles, iPad's and Smart Phones. You can also connect up to 4 wired devices and 2 USB 2.0 devices so you can connect and share computers and mass storage devices. The Gigabit WAN/LAN port allows for an alternate connection to a fibre/fixed line service.

The device also features 4 internal antennas: 2x WiFi antennas delivering speeds of up to 300Mbps[1] and 2x 4G antennas. A powerful and secure local area network can be established at home, in the office or on the go.

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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4G100W-01	Bands 4 (AWS 1700/2100), 17 (700)
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4G100W-03	Band 13 (700)

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