4G LTE WiFi Router

NetCommWireless

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

Features and benefits

- Connects to the LTE network for high speed internet access using mobile broadband
- Falls back to HSPA+ if LTE becomes unavailable
- Delivers data speeds of up to 100Mbps downlink and 50Mbps uplink (LTE)[2]
- 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)
- Creates a secure WiFi network to connect up to 16 WiFi devices such as laptops, smart phones and gaming consoles
- Local wireless speeds of up to 300Mbps[1] – 2T/2R internal antenna configuration
- 2 USB ports to connect and create a network for devices such as printers and 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

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4G100W

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SPECIFICATIONS

HARDWARE SPECIFICATIONS
- Chipset: Qualcomm MDM9200

LTE
- LTE FDD Cat 3 (DL 100Mbps / UL 50Mbps) bands:
- Up to 100 Mbps downlink
- Up to 50 Mbps uplink

4G100W-02
- o Band 1 (2100)   o Band 3 (1800)
- o Band 7 (2600)   o Band 8 (900)
- o Band 20 (DD800)

DC-HSPA+
- Up to 42 Mbps downlink
- Up to 5.67 Mbps uplink
- Quad-band EDGE/GPRS/GSM
- UMTS HSPA-DC (42Mbps) bands:

4G100W-02
- o Band 1 (2100)   o Band 8 (900)

WWAN INTERFACE
- 4G

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

LAN INTERFACE
- 10/100 Ethernet x 3

USB HOST
- USB host ports x 2

TELEPHONY
- RJ-11 FXS port x 1
- VoLTE (when available) or VoIP (upon request)

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

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

  ENCRYPTION
  - o WEP, WPA, WPA2

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

  WLAN DATA RATE
- o Up to 300Mbps

WAN CONNECTION
  PPP/IP
- o Yes

ANTENNA
- Internal 4G Antennas x 2
- 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
  - o PAP, CHAP

  VPN
  - o PPTP/L2TP/IPSec pass-through

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

POWER
- External power adapter
- 100-240VAC to 12VDC/1.5A
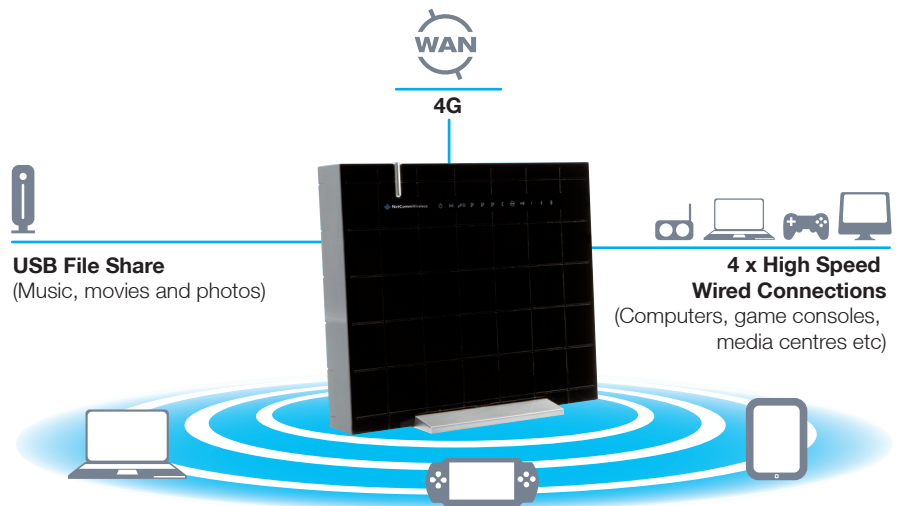
ENVIRONMENTAL CONDITIONS
  OPERATING TEMPERATURE
  - 0 ~ 50 degrees Celsius

  RELATIVE HUMIDITY
  - 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 4G LTE WiFi Router integrates a powerful LTE module that enables users to connect to worldwide LTE/3G/HSPA+ networks and enjoy peak speeds of up to 100Mbps (LTE), 42Mbps (3G/HSPA+) downlink and 50Mbps (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. The device also features a voice port allowing users to make calls over the LTE network[3]. You can also connect up to 4 wired devices and use the USB ports to share USB hard drives with all networked users. The Gigabit WAN 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.