



# Outdoor WiFi Router

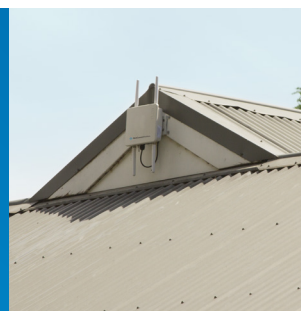


## Perfect for

- M2M or industrial applications
- Outdoor Internet deployments - that can withstand harsh weather conditions
- Internet connection for mobile or temporary applications
- Temporary Internet setups such as events or a temporary office
- People on the fringe of either an ADSL or mobile broadband network
- Businesses and homes that cannot access a fixed ADSL, Cable or Fibre line connection

## KEY FEATURES

- ⌚ Industrial-grade outdoor fixed wireless data gateway designed for rugged deployments in remote environments and industrial applications
- ⌚ Ideal for providing primary and backup wireless connectivity over 3G UMTS networks
- ⌚ Embedded high-performance 3G cellular modem supporting HSPA+/EDGE/GPRS
- ⌚ IP67 and environmentally rated chassis to withstand extreme weather conditions
- ⌚ Extended temperature tolerance in operation
- ⌚ 2.4 GHz band wireless LAN access point with 2x2 MIMO antenna technology
- ⌚ IEEE 802.11n standard for WiFi data speeds up to 300Mbps
- ⌚ Analogue telephone connectivity (CS Voice) for complete landline replacement (optional configuration)
- ⌚ Alternative DC power input available as an optional extra to suit diverse installation environments
- ⌚ Built-in VPN clients for a secure connection over a public cellular network





## SPECIFICATIONS

### MEMORY

- 128MB DDR SDRAM | 256MB NAND Flash

### OPERATING SYSTEM

- Embedded Linux 2.6

### PEAK DATA SPEED

- Downlink: 21Mbps (HSDPA Cat. 14); Uplink: 5.76Mbps (HSUPA Cat. 6);

### CELLULAR BANDS

- UMTS/HSDPA/HSUPA: 850/900/2100/1900 MHz | GSM/GPRS/EDGE: 850/900/1800/1900 MHz

### WIRELESS LAN

- IEEE 802.11b/g/n 2T2R; Frequency: 2.4 ~ 2.438 GHz; Ralink RT3072 Chipset; Peak Data Rate: Max 300 Mbps (MIMO, WPA2)

#### Wireless Security

- o WEP 64-bit, WEP 128-bit, WPA, WPA2, WPA-PSK, WPA2-PSK, TKIP, AES, Multiple SSIDs

### CONNECTIVITY

- 1x (RJ-45) Ethernet 10/100Base-TX Port with Auto MDIX, 1x Mini USB 2.0 Console Port, 1x DC-in Port, 1x FXS (RJ-11) Phone Port (optional)

### ANTENNA INTERFACES

- 2x N-Type Cellular (MIMO)
- 2x N-Type WLAN (MIMO)

### SIM CARD READER

- Sealed Tray Reader, Push-Button-to-Release, Mini USIM/SIM Format

### LED INDICATORS

- Power, Network Service Type, Tx/Rx Data Traffic, Data Carrier Connection, Signal Strength

### REMOTE MANAGEMENT

- Web-based User Interface (HTTP), Telnet, SNMP v1/v2, TR-069 Client

### LAN

- DHCP Server/Client/Relay, Static Route, UPnP

### WAN

- WWAN (Cellular), PPPoE, PPP (PAP/CHAP)

### ROUTING & POSITIONING

- Static, RIP (v1/v2), VRRP, Dynamic DNS, NAT, DMZ

### TELEPHONY

- Circuit-Switched Voice via Standard/Cordless Analogue Telephone

### FIREWALL & SECURITY

- SPI Firewall, Anti-DoS

### VPN

- PPTP, GRE, OpenVPN

### ENVIRONMENT

- Normal Operating Temperature: -25°C ~ +60°C, Extended Operating Temperature: -25°C ~ +75°C (with Performance Deviations), Environmental Rating: IP-67 (sealed against water and dust)

### POWER SUPPLY

- DC In port: 8 ~ 28 V with external power supply (not supplied)

#### Standby Input Current

- o 110 mA @ 12V DC

#### 3G Active Input Current

- o 300 mA @ 12V DC

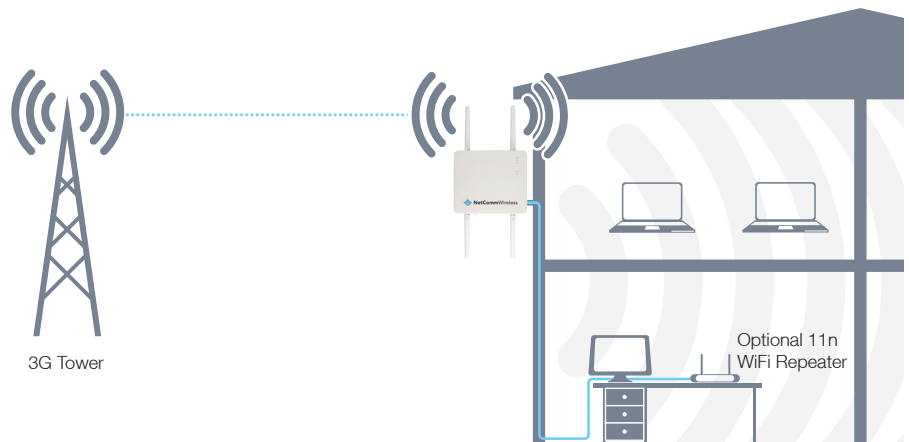
#### Maximum Input current

- o 560 mA @ 12V DC

### DIMENSIONS & WEIGHT

- 255mm (L) x 240mm (W) x 80mm (D) 2345g (including mounting and antennas)

# Outdoor WiFi Router



The **NetComm Outdoor WiFi Router** is designed to provide high-speed Internet connectivity to industries, businesses and remote unmanned installations on the fringe of cellular networks or in rural/metro areas with low service. It connects to the 3G network and can be mounted either on the wall or a pole and positioned in an optimal position on the outside of a property.

The **Outdoor WiFi Router's** powerful antenna system can greatly boost reception and the device combines a cellular modem, Wireless LAN access point and telephone adapter together in one unit for use in an outdoor location.

The embedded cellular modem delivers data downloads of up to 21Mbps (HSPA+), which are routed via Ethernet connection inside the premise. With the integrated 802.11n WiFi access point and MIMO antenna technology, the **Outdoor WiFi Router** can provide reliable WiFi coverage in the proximity of the premise for convenient outdoor Internet access.

The integrated telephone adapter connects standard analogue phone handsets to the **Outdoor WiFi Router**. It allows for phone calls to be made over the 3G UMTS network from inside the premise for a full landline replacement.

### PACKAGE CONTENTS

- 1 x Outdoor WiFi Router
- 2 x WiFi Antennas, 2 x 3G Antennas
- 1 x wall mounting kit
- 1 x pole mounting kit
- 1 x 10m DC power cable (open ended)
- 2 x cable glands
- 1 x ferrite core
- 1 x wireless security card
- 1 x printed QSG

### THINGS YOU SHOULD KNOW

This product includes a 10m power cable for direct connection to a power supply (12V AC/DC).

Depending on your individual circumstances other power options can be used including Power over Ethernet and will need to be purchased separately.



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