



# Marine WiFi Router



## Perfect For

- Boat owners who require an Internet and phone connection at sea
- Marinas who want a WiFi network for private or public use
- Oil rigs who require a reliable rugged solution for internet access
- Internet access in a harsh physical environment

## KEY FEATURES

- ⌚ Industrial-grade fixed wireless data gateway designed for deployments on boats and in marine applications
- ⌚ Ideal for providing 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
- ⌚ Stainless steel metal connectors and screws to ensure the device remains free from rust
- ⌚ 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
- ⌚ Ethernet 10/100 connectivity
- ⌚ Analogue telephone connectivity (CS Voice) for complete landline replacement (optional configuration)
- ⌚ DC power input available 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; 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

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

### SIM CARD READER

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

### LED INDICATORS

- Power, Tx/Rx Data Traffic, 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

- IPSec, PPTP, GRE, OpenVPN, IPSec

### 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

#### Standby Input Current

- o 110 mA @ 12V DC

#### 3G Active Input Current

- o 300 mA @ 12V DC

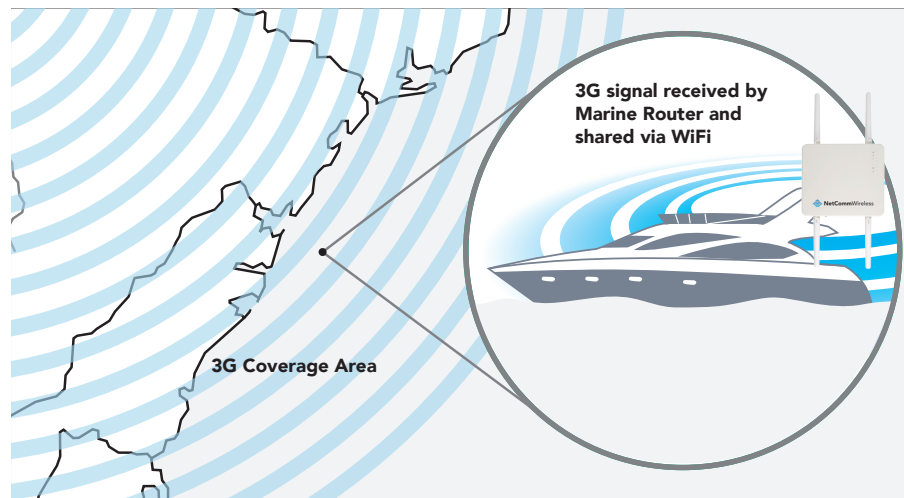
#### Maximum Input current

- o 560 mA @ 12V DC

### DIMENSIONS & WEIGHT

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

# Marine WiFi Router



The **NetComm Wireless Marine WiFi Router** is designed to provide high-speed Internet connectivity to boats and marinas. It connects to the 3G network and can be mounted onto any flat surface or pole and positioned in an optimal position to receive the best possible signal.

The **Marine WiFi Router** features a powerful antenna system, cellular modem, Wireless LAN access point and telephone adapter together in one unit.

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

The integrated telephone adapter connects standard analogue phone handsets to the **Marine WiFi Router** allowing phone calls to be made over the 3G UMTS network for a full landline experience.

The IP67 rated housing and stainless steel connectors and screws allow the router to operate in extreme conditions in marine applications without suffering from rust and other physical defects.

### 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 your boat's 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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