



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
- 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

- 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

Power over Ethernet: 48 V DC

- o DC In Port: 9 ~ 28 V optional with supply of external power supply

Standby Input Current

- o 110 mA @ 12V DC

3G Active Input Current

- o 300 mA @ 12V DC

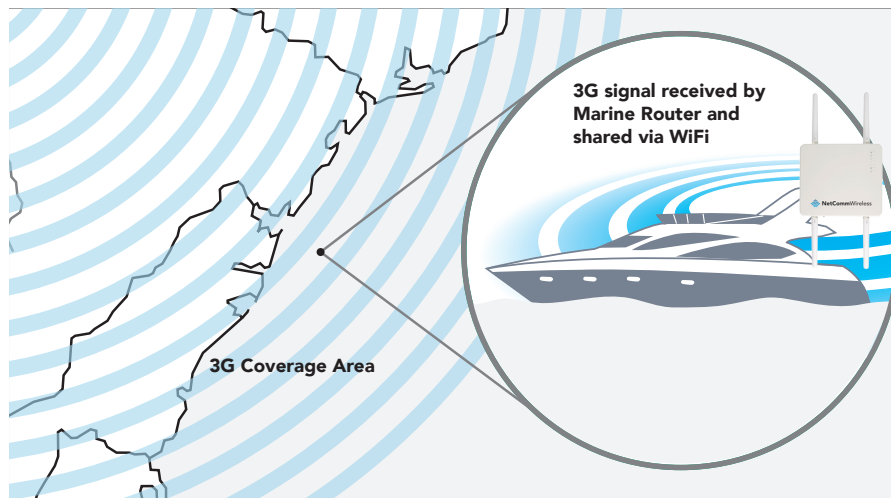
Maximum Input current

- 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 with otherwise little to no Internet access available. It connects to the 3G network and is mounted either on the wall or a pole and positioned in an optimal position to receive the best possible signal.

The NTC-30WV-02 features a powerful antenna system, a cellular modem, a Wireless LAN access point and a 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 made available via the Ethernet connection and WiFi. With the integrated 802.11n WiFi access point and MIMO antenna technology, the NTC-30WV-02 can provide reliable WiFi coverage for convenient outdoor Internet access.

The integrated telephone adapter connects standard analogue phone handsets to the NTC-30WV-02. It allows for 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 mounting bracket
- 4 x mounting bracket screws
- 4 x wall mount screws
- 2 x cable glands
- 1 x ferrite core
- 2 x hose clamps for pole mounting
- 1 x wireless security card
- 1 x printed QSG
- 1 x 10m DC power cable (open ended)



NetCommWireless

NETCOMM WIRELESS LIMITED

Head Office - 18-20 Orion Road, Lane Cove,
NSW 2066, Sydney, Australia ABN 85 002 490 486

E: sales@netcommwireless.com

www.netcommwireless.com