

PORT NETWORKS

Marine Wireless Bridges

Connect to more wireless networks, at faster speeds. Introducing Version 6 of the MWB-200 & MWB-250

Finally! Serious marine Wi-Fi gear that makes it easy to connect to the Internet while you're on the water.

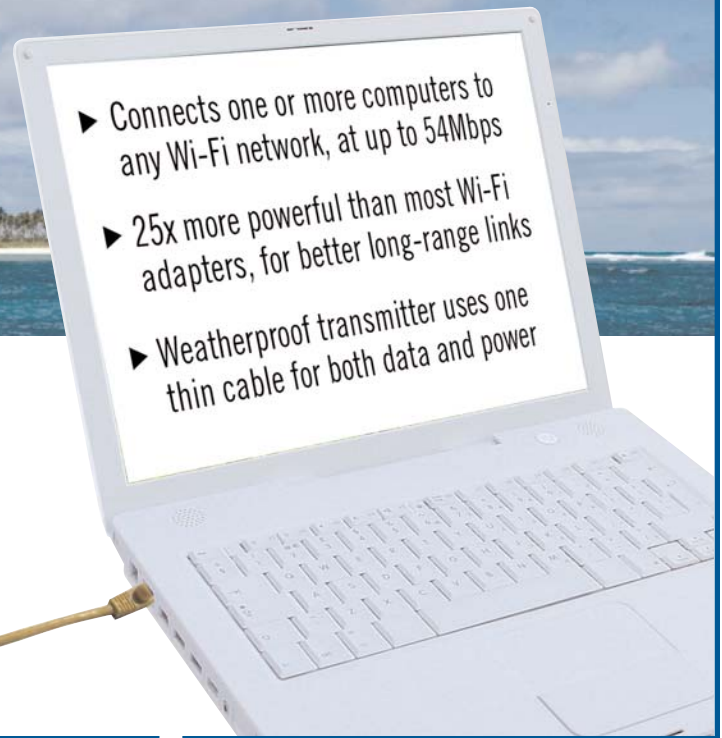
Our MWB-200 is a portable wireless client that can be stowed while underway, then placed above-deck when you're in range of a Wi-Fi signal. When turned on, the MWB-200 automatically connects to the strongest wireless network available, acting as a bridge between that network and one or more computers on board your boat. Because of its unique design, the MWB-200 is 25 times more powerful than a standard Wi-Fi adapter, and can move data back and forth at up to 54 megabits per second.

Our MWB-250 series is a similar system designed for permanent mounting on larger vessels. Housed in a weatherproof aluminum enclosure, the MWB-250 is just as easy to use as its portable cousin, but works with a variety of powerful antennas. When connected to our optional 8dB fiberglass Wi-Fi antenna, for example, the MWB-250 is 32 times more powerful than a standard Wi-Fi adapter.

Better Than Built-In Wi-Fi

Many boat owners try to use their computer's built-in Wi-Fi capability to connect to wireless networks in a harbor or marina, but soon discover that they can't stay connected. This is usually because their built-in Wi-Fi systems transmit at low power (to preserve the laptop's battery life) through inferior antennas (built into the laptop's case). Most built-in Wi-Fi systems were designed to connect to a wireless network in the next room, not one on the other side of a large marina, behind a forest of sailboat masts and powerboat superstructures. Just as with other electronics, a marine environment demands a special solution.

Our MWB products outperform built-in Wi-Fi by pairing a high-powered transmitter with an efficient antenna, in a



Portable System



Permanent System

weatherproof unit that can be deployed above-deck where the signals from wireless networks are stronger.

Because the MWB does all the work of connecting to a wireless network, all you need to do is plug its network cable into your computer, switch, or on-board access point. Your computer doesn't have to have its own Wi-Fi, or any drivers or special hardware. It will connect to the MWB just as if you were plugging into the wall at an office.

We offer the MWB-200 and MWB-250 through electronics retailers, and through our web site (www.portnetworks.com) and toll-free order line (877-4PN-WIFI).

Marine Wireless Bridges

FEATURES & SPECIFICATIONS

MWB-200

Portable Wi-Fi bridge with omni-directional antenna.

Best for smaller yachts, or for use on multiple vessels.



MWB-250

Permanent Wi-Fi bridge with connection for custom antenna.

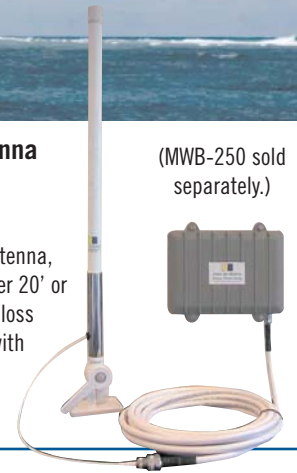
Best for larger yachts, or wherever maximum performance is required.



CK20/50

Custom antenna kits for the MWB-250.

Includes 8dB antenna, mount, and either 20' or 50' of ultra-low-loss antenna cable with connectors.



(MWB-250 sold separately.)

Features (Both Models)

- ▶ Adjustable RF Output Power
- ▶ Built-in LNA for extremely high receive sensitivity
- ▶ PoE Built-in for Single Cable Installation
- ▶ Fully Compliant with IEEE 802.11g Standard
- ▶ 54Mbps (4 Times Faster than IEEE 802.11b Standard)
- ▶ User-Friendly Web GUI for Device Configuration
- ▶ Support for SSH and SNMP
- ▶ 64bit & 128bit WEP
- ▶ WPA Personal and WPA Enterprise with TKIP and/or AES
- ▶ WPA2 / 802.11i
- ▶ VoIP-Friendly QoS Mechanism Bandwidth Management, IP ToS

Accessories (Both Models)

- ▶ 50' data/power cable (custom cable lengths available)
- ▶ 110 volt or 12 volt power supply

WLAN Standards

Radio Scheme

Frequency Range

Number of Channels

RF Output Power Stepping

Sensitivity

Data Rate

Security

Dimensions

Antenna

Power Supply

Operating Environment

IEEE 802.11b, IEEE 802.11g

802.11b: DSSS (CCK, DQPSK, DBPSK)
802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)

2.4GHz to 2.497GHz

North America: 11 Channels (US, Canada)
ETSI: 13 Channels (Most European Countries)
TELEC: 14 Channels (Japan)

802.11b: 100, 150, 200, 400mW
802.11g: 50, 100mW

802.11b: -92 +/- 1dB @ 11Mbps
802.11g: -74 +/- 1dB @ 54Mbps

802.11b: 11 / 5.5 / 2 / 1 Mbps
802.11g: 54 / 48 / 36 / 24 / 12 / 9 / 6 Mbps

Password Protection
MAC Filtering
Hidden SSID Broadcast
64/128-bit WEP Encryption
WPA for 802.1x and WPA-PSK
WPA2 / IEEE 802.11i

MWB-200: 8.8 x 5.2 x 4.2in (224 x 132 x 106mm)
MWB-250: 7.9 x 5.5 x 1.7in (200 x 140 x 43mm)

MWB-200: 5.5dB External Omni, RP-TNC Connector
MWB-250: N Connector (Optional 8dB Fixed Omni)

Power over Ethernet, 18V DC / 0.4A

Temperature: -30 deg. C to 60 deg. C
Humidity: 10 to 90% (non-condensing)



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401 East Pratt Street, 24th Floor, Baltimore, MD 21202
(877) 4PN-WIFI (410) 637-3707 sales@portnetworks.com