



Tactical Mesh Router

A NEW APPROACH TO NETWORKING

CoCo[®] Tactical Mesh Routers (TMR) are battery-powered and enable users to easily and quickly deploy self-organizing, secure mobile mesh networks anywhere coverage is needed.

This lightweight and durable device is quickly and easily deployed with a touch of a button.

- **Instant, secure networks:** Set up communications in tactical, indoor, outdoor, vehicular, and maritime environments
- **Ruggedized design:** TMRs are built to resist moisture, heat, and harsh treatment
- **Easy deployment:** Powers on with a single button and indicator lights instruct operators where to deploy additional TMRs
- **Secure unattended deployment:** TMRs cannot be turned off without a password entered on a PDA or laptop
- **Secure voice, video, and data communications:** TMRs enable FIPS 140-2 level secure wireless communications
- **Flexible RF range:** Internal antennas usable for most deployments, external antenna support for longer ranges or specialized needs
- **Remote monitoring:** TMR battery level and link strength indicators can be remotely monitored from anywhere on the network
- **End-to-end solution:** The TMR works seamlessly with other CoCo products to deliver an unmatched set of radio interoperability, mesh networking and disaster/ emergency response communications capabilities



POWERED BY
CoCo Node

Why CoCo Networking?

Mobile - Delivers data in challenging, complex mobile situations

Federally Tested - Tested and used by the U.S. Coast Guard, U.S. Army and U.S. Navy. Tested at the Defense Interoperability Communications Exercise (DICE) in 2006, at the DoD Joint Interoperability Test Command (JITC) in 2007; and is FIPS 140-2 validated

Scalable - No limit to the size or location of your network

Disaster-Proof - Completely distributed, resilient networks that are not dependent on fixed infrastructure single points of failure

Open - Seamlessly supports existing IP applications

"Regular VHF radio doesn't work below deck too well, but CoCo enables Coast Guard personnel to maintain 100 percent wireless connectivity"

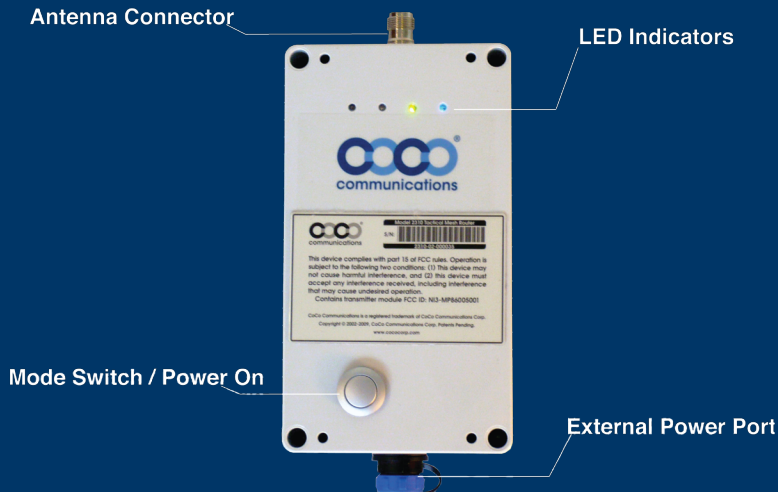
— LT Michael Doyal, U.S. Coast Guard



CoCo Tactical Mesh Router

NETWORKS WITHOUT BOUNDARIES

The TMR sets up instant mobile and secure networks.



- **Extend your capabilities to the tactical edge of your network:** Deliver information from decision makers conducting real-time operations where it is needed most
- **Provide situational awareness to remote areas:** Gives insight into tactical activities for higher-level decision makers
- **Overcome typical barriers to setting up networks:**
 - No available power
 - Remote of zero infrastructure environments
 - Dark spots created by line of sight obstructions

Model #:
2310

Enclosure:

- Rugged, high quality, textured, UL-508-approved polycarbonate enclosure
- Captive screws set into stainless steel inserts for prolonged IP67/NEMA rating, even after frequent reassembly
- Satisfies the drop test requirements of MIL-STD-810f

CPU:

Low power embedded CPU-PXA 270, 520MHz

Wireless:

400mW 802.11a/b/g – Mini-PCI card

LED Indicators:

Multi-function LEDs provide deployment guidance and indicate battery life

Antenna Options:

- Internal diversity antennas provided
- Accommodates addition of external antennas via RPTNC Connectors

Intrusion Protection:

Designed to IP-66 / NEMA 4X

EMI Compliance:

FCC Part 15 class A

Optional Accessories:

Accessory cable

Battery:

8 hour internal rechargeable battery

AC Input Voltage:

100-240VAC, 50-60Hz

DC Input Voltage:

Charger supplied, 4 hour recharge time

Dimensions:

6.3" W x 3.5" D x 2.4" H (16ccW x 9ccD x 864ccH)

Weight:

1.6 pounds (0.73 kg)

Operating Temperature:

32–155°F (0–46°C)

Storage Temperature:

-4–140°F (-20–60°C)

Mounting Options:

Detachable belt clip and nylon strap.

Warranty:

1 year

Default Security Configuration:

- **End-To-End Cryptography**
Pluggable Cryptographic Suites - Default Algorithms: AES-256, Diffie-Hellman, Key Exchange, SHA-1; other algorithms possible
- **Link Cryptography**
Pluggable Cryptographic Suites - Default Algorithms: HMAC-SHA1, Diffie-Hellman, Key Exchange; other algorithms possible

To learn more visit us at www.cococorp.com or call a CoCo sales representative at 1-866-575-4128



Copyright 2002-2010 CoCo Communications Corp. CoCo is a registered trademark of CoCo Communications Corp.

All rights reserved. U.S. Pat. 7,624,165. Specifications subject to change without notice.

CoCo Communications Corp. | 999 3rd Avenue | Suite 3700 | Seattle, WA 98104 | 206.284.9387 | www.cococorp.com