



# Outdoor Mesh Router

A NEW APPROACH TO NETWORKING

**CoCo® Outdoor Mesh Routers (OMR) are powered by CoCo® Node to form a self-organizing, self-healing mesh network that delivers a secure, globally scalable Mobile Ad-Hoc Network (MANET).**

**Outdoor Mesh Routers can be used to build larger, stronger networks that communicate the way people do: directly, confidentially, and independently, even in the most difficult environments.**

- **Weatherproof design:** Designed for rugged environmental operation, the OMR is built to withstand extreme temperatures, wind, and rain
- **Outdoor coverage:** High-powered radios and antennas provide secure, wireless, wide area coverage
- **Seamless indoor/ outdoor handoff:** Create a single, seamless wireless network inside and outside your facility that covers your entire campus
- **Eliminate dark spots:** CoCo enabled devices, such as laptops or PDA's, also act as mesh routers, so the devices work with the OMR to expand coverage
- **Instant coverage expansion:** Coverage can be expanded by plugging in another OMR, and then the network will automatically configure itself to support the new device
- **Wireless coverage:** The OMR's mesh capabilities means wireless traffic can be forwarded without the cost of running wire to every device location
- **Video surveillance support:** Each OMR has two Ethernet ports and can act as a forwarding device for a network camera and can be installed with just a wireless camera, an OMR, a data cable, and power for the two devices



## 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

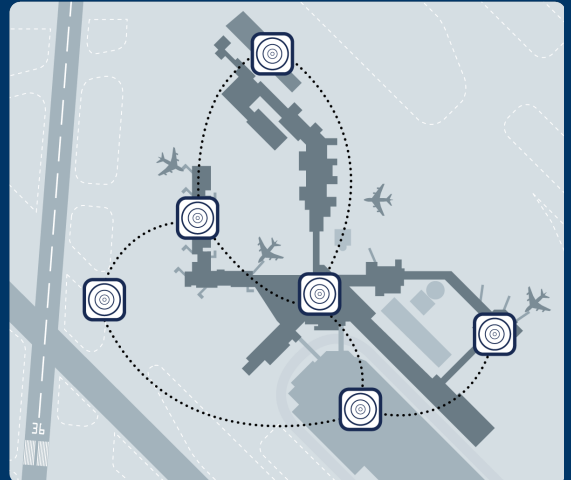
**Instant and continuous network communication**

# CoCo Outdoor Mesh Router

NETWORKS WITHOUT BOUNDARIES

The OMR provides rugged, secure outdoor wireless coverage

- **Support VOIP mobility outdoors:** CoCo Node running on each OMR ensures that CoCo clients will have seamless handoff as they roam through the wireless coverage.
- **Simple administration:** CoCo networks are self forming and self healing and require little to no administration.
- **FIPS 140-2 security:** Validated for use in government networks for sensitive but unclassified communications.



**Model #:**  
2200

**Enclosure:**  
Cast aluminum

**Networking:**  
Two 10/100 ports, Primary port surge protected to GR1089 Auto-MDIX

**Wireless:**

- Multiple 802.11 a/b/g, 900MHz, 4.9 GHz, or other cards in each OMR, depending on configuration
- Mini-PCI for platform flexibility

**LED Indicators:**  
Status, WLAN, ETH

**Antenna Options:**  
Antenna options can be tailored to meet deployment needs

**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

**Intrusion Protection:**  
IP65

**Safety Compliance:**  
EN60950-1

**EMI Compliance:**  
FCC Part 15 class B with collocated 802.11a/b/g transmitters

**AC Input Voltage:**  
115VAC, 60Hz, 50W

**DC Input Voltage:**  
48VDC local power input (36-60V range); Photocell power options available

**Power Over Ethernet:**  
High-power passive Power Over Ethernet input (48V nominal, 36-60V range) with 1500VRMS electrical isolation for compliance with EN60950 and 802.3

**Dimensions:**  
280mm x 190mm x 130mm

**Weight:**  
6.6 lbs (3 kg)

**Operating Temperature:**  
-40°F - 170°F (-40°C - 80°C)

**Storage Temperature:**  
-58°F - 194°F (-50°C - 90°C)

**Mounting Options:**  
Wall, Pole

**Warranty:**  
1 year

**Accessories:**  
Serial cable

*Professional installation required in accordance with all applicable regulations*

To learn more visit us at [www.cococorp.com](http://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](http://www.cococorp.com)