



Indoor Mesh Router

A NEW APPROACH TO NETWORKING

CoCo® Indoor Mesh Routers (IMR) 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).

Indoor 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.

- **Seamless indoor coverage:** Designed for indoor operation, the IMR provides secure wireless coverage throughout any building, such as an office, school, hotel, or airport
- **Save expense of running wires:** The IMR's mesh capabilities means wireless traffic can be forwarded without the cost of running wire to every device location
- **Indoor VoIP mobility:** CoCo Node running on each IMR ensures that CoCo enabled devices will have seamless handoff as they roam through the wireless coverage area
- **Eliminate dark spots:** CoCo enabled devices, such as laptops or PDA's, also act as mesh routers, so the devices work with the IMR to expand coverage
- **Instantly expand network coverage:** Coverage can be expanded by plugging in another IMR, and then the network will automatically configure itself to support the new device
- **Video surveillance support:** Each IMR 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 IMR, a data cable, and power for the two devices
- **Simple administration:** CoCo networks are self forming and self healing and require little to no administration.



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

Instant and continuous network communication

CoCo Indoor Mesh Router

NETWORKS WITHOUT BOUNDARIES

The IMR deploys instantly for secure wireless coverage

- **Cost effectively deploy secure indoor wireless coverage** – low administration and configuration costs, along with reduced installation costs
- **Easily manage your resources** – basic network administration skills are all that are required to operate an IMR and other elements of a CoCo network
- **Create high speed voice and data networks** – the IMR's 802.11 a/b/g radio can support high data rate throughput and handoff for multimedia streaming

FIRST RESPONDERS
911

FEDERAL AGENCIES

STATE AGENCIES

AIRPORT SECURITY

INDUSTRY



Model #:

2110

Enclosure:

Flame retardant ABS, UL flame rating of 94-5VA

Networking:

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

Wireless:

One-400mW 802.11a/b/g

LED Indicators:

Power, wired and wireless network activity

Antenna Options:

4dBi dual-band 2.4/5 GHz Omni antenna standard
Reverse SMA bulkhead connectors for use with external Antennas

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

EMI Compliance:

FCC Part 15 class B

Safety Compliance:

Industry Canada - RSS210, ICES003, NMB003, CNR210, CE Mark-EN 60950, EN 301 489-1, EN 301 489-17, EN 301 893, EN 300 328, EN 800 836

AC Input Voltage:

100-240VAC

DC Input Voltage:

5VDC, 3A adapter included

Power over Ethernet:

802.3af

Dimensions:

7.5" W x 5.0" D x 1.8" H (191mm x 128mm x 83mm)

Weight:

15.5 oz (440g)

Operating Temperature:

32 – 131°F (0 – 55°C)

Storage Temperature:

-58 – 194°F (-50 – 90°C)

Mounting Options:

Wall mounting screws, desktop

Warranty:

1 year

Accessories:

Serial cable

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



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