

## HauteWRAP™ Outdoor Dual Radio Wireless Router

The HR-WRAPDXC is a dual radio system designed to be used as a master (aka “AP” or “base station”) router in a multi-frequency point-to-multipoint system; as a full duplex high performance station router when the highest throughput and lowest latency is essential, or as a dual band wireless mesh node.

The HR-WRAPDXC can be configured to use either the “TDMA-like” protocol which delivers unparalleled video streaming performance for the most demanding IP surveillance applications, layer-2 or layer-3 mesh, or standard 802.11.



HR-WRAPDXC

### Applications

- Warehouse and inventory surveillance
- Transportation surveillance
- Public utility surveillance and control
- First responder mobile network
- Airport, rail yard, or port security
- Long range point-to-point links
- Campus surveillance
- Full duplex building links
- Parking lot surveillance

### Functions

- Extremely flexible, administrative management via web, Telnet, SSH, HS Configurator, and SNMP
- Sniffing, scanning, bandwidth utilization management
- Supports “behind the firewall” features that allows for easy video deployment
- Multicast routing
- VLAN support
- QoS management
- Free management software
- Complete diagnostic tools
- Frequency transition router
- Wireless repeater

### Features

**Compact.** NEMA4 IP6/7 aluminum outdoor waterproof enclosure, small and lightweight.

**Sustainability.** 10 Watts total operating power - can use solar power.

**TDMA protocol.** The ideal solution for video streaming, where delay variation and jitter must be minimized.

**Scalability.** Twice the scalability and performance of 802.11 protocols/mesh based devices.

**Feature Rich.** HauteRouterOS software allows you to apply the most advanced firewall, NAT, bandwidth shaping, and other technologies to create a smart and manageable network.

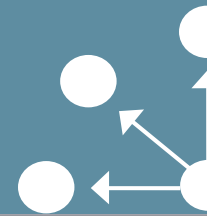
**Simple Web Interface.** For installers and less technical users.

### Contact Us

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Inquiries: sales@hautespot.net

Web: www.hautespot.net



## Specifications

### HR-WRAPDXC

#### Radio Module Features

- **Data Rates**
  - OFDM :
    - BPSK. 6Mbps, 9 Mbps
    - QPSK. 12Mbps, 18Mbps
    - 16QAM. 24Mbps, 36Mbps
    - 64QAM. 48Mbps, 54Mbps
  - DSSS: 1, 2, 5.5, 11 Mbps.
- **Channel Width**
  - 5/10/20/40 MHz
- **Network Standards**
  - WECA (Wi-Fi & Wi-Fi5)
  - IEEE 802.11, a, g, b, e, f, h, i
- **Compliance**
  - FCC Part 15 Class B (modular)
  - ETSI 300.328
  - ETSI 300 826
  - CE mark
  - FCC Part 90Y(modular)
- **Frequency Options**
  - WRAPDXC-M
  - WRAPDXC-MN
  - WRAPDXC-37M
  - WRAPDXC-9M
  - WRAPDXC-22
  - WRAPDXC-29
  - WRAPDXC-55
  - WRAPDXC-59

Note:

M=multiband, 25dBm/-92dBm

(2.4, 4.9\*, 5GHz)

N=MIMO, 25dBm/-97dBm

(2.4, 4.9\*, 5GHz)

37=3.65\*\* GHz, 25dBm/-92dBm

9=900MHz, 28dBm/-93dBm

2=2.4GHz, 28dBm/-97dBm

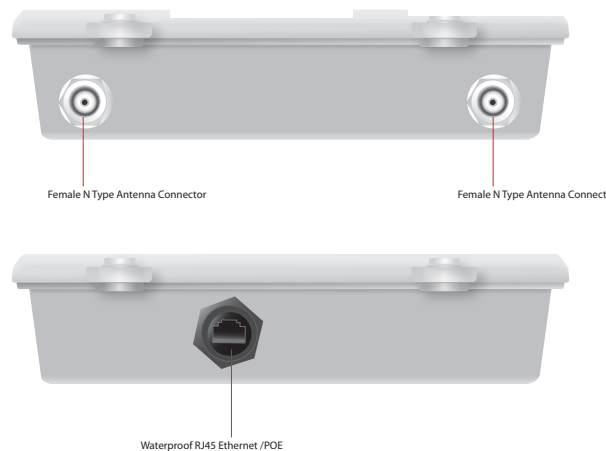
5=5.8GHz, 28dBm/-94dBm

- **Physical & Environmental**

- 10 Watts
- 2.7 lbs
- 8"(W) x 5.5" (L) x 2" (H)
- 11-27 VDC input voltage

\* 4.9 GHz Public Safety use only. Requires approval. Requires extra channel license.

\*\* 3.65 GHz requires FCC license. Contact HauteSpot for details.



#### Router Features

- "TDMA-like" protocol for video performance
- MAC repeater settings for each client (enable/disable for each MAC address)
- MAC Firewall
- Client statistics (current signal level/quality, rate tx/rx, bytes tx/rx, radio rate)
- Authentication via remote RADIUS server using captive portal
- 40 and 128 bit WEP, WPA, and WPA2 support
- IP filtering
- Routing for RIP, BGP, OSPF, Mesh, Multicast, and IP filtering
- DNS relay, server
- DHCP server, relay, and client
- SNMP/SSH/Telnet/Java Client
- WDS (wireless distribution service) for transparent bridging
- HWMP wireless mesh

#### Hardware Features

- High performance embedded processor
- Ruggedized outdoor enclosure
- 1 ea. 10/100 Base-TX Ethernet port (with auto MDI/MDIX) w/ PoE
- Reverse voltage and transient protection
- -20°C to 70°C operating temperature
- On board storage
- Voltage and temperature monitor
- Watchdog timer
- Real Time Clock
- 2 ea. N type RF connector
- 1 ea. Waterproof RJ45 Ethernet connector
- Pole mount included, surface mount optional
- Passive PoE injector and 90-240VAC power supply included