

## HauteWRAP™ Outdoor Dual Radio Wireless Router (3 Ethernet Ports)

The HR-WRAPDXC3E 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; it can be used 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-WRAPDXC3E



### 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
- Ambulance/EMT mobile
- Remote locations

### 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
- Integrated three-port Ethernet switch

### 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.

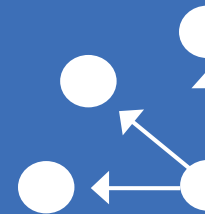
**3G Wireless Available.**

### Contact Us

Call toll-free: +1 (800) 541-5589

Inquiries: [sales@hautepot.net](mailto:sales@hautepot.net)

Web: [www.hautepot.net](http://www.hautepot.net)



## Specifications

### HR-WRAPDXC3E

#### 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**
  - WRAPDXC3E-M , -37M, -9M
  - WRAPDXC3E-MN
  - WRAPDXC3E-22 , -29
  - WRAPDXC3E-55, -59
  - WRAPDXC3E-MN3G-V

Note:

M=multiband, 25dBm/-92dBm  
(2.4, 4.9\*, 5GHz)

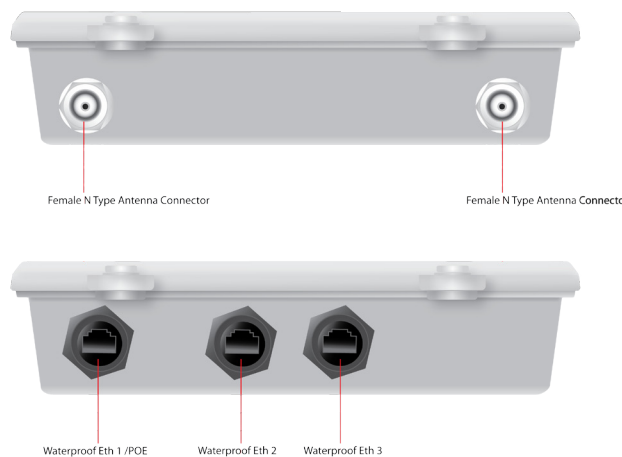
N=MIMO, 25dBm/-97dBm  
37=3.65\*\* GHz, 25dBm/-92dBm  
9=900MHz, 28dBm/-93dBm  
2=2.4GHz, 28dBm/-97dBm  
5=5.8GHz, 28dBm/-94dBm  
3G-V=EvDO\*\*\* revA/GSM/UMTS Verizon

- **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.

\*\*\* **3G Only**—3G Support through Verizon requires customer activation. HauteSpot will provide ESN at time of order confirmation. Customer must activate before order can ship. Customer can choose alternate GSM networks and must provide HauteSpot with SIM. GSM/UMTS service with Verizon requires global roaming plan.



#### 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
- 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
- 3G Wireless with advanced routing ( 3G model only)

#### Hardware Features

- High performance embedded processor
- Ruggedized outdoor enclosure
- 3 ea. 10/100 Base-TX Ethernet ports (with auto MDI/MDIX), 1 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 (4 ea. for 3G model only)
- 3 ea. Waterproof RJ45 Ethernet connectors
- Pole mount included (surface mount optional)
- Passive PoE injector and 90-240VAC power supply included