

HauteWRAP™ Indoor Dual Radio Wireless Router

The HR-WRAPDXCi is an indoor 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. In most cases its three Ethernet ports eliminate the need for an external switch.

The HR-WRAPDXCi 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-WRAPDXCi



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

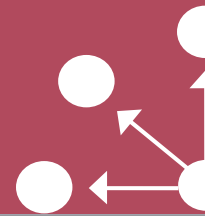
- Extremely flexible, administrative management via web, Telnet, SSH, HS Configurator, and SNMP
- Sniffing, scanning, bandwidth utilization management
- Supports “behind the firewall” features that allows for easy video deployment
- Multicast routing
- VLAN support
- QoS management
- Free management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

Features

- **Compact.** Small and lightweight black aluminum indoor enclosure.
- **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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 Web: www.hautepot.net



Specifications

HR-WRAPDXCi

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**
 - WRAPDXCi-M
 - WRAPDXCi-37M
 - WRAPDXCi-9M
 - WRAPDXCi-MN
 - WRAPDXCi-22
 - WRAPDXCi-29
 - WRAPDXCi-55
 - WRAPDXCi-59

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
- **Physical & Environmental**
 - 10 Watts
 - 13.6 oz
 - 6.5"(W) x 4.5" (L) x 1.25" (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
- 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
- 3 ea. 10/100 Base-TX Ethernet port (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. female N type RF connector
- Passive PoE injector optional
- 90-240VAC power supply included