

## HauteWRAP<sup>™</sup> Outdoor Single Radio Wireless Station

The HR-WRAPLX is designed to be used as a station router (aka “client” or “remote”), as a point-to-point router for typical bandwidth requirements, or as a wireless mesh node.

The HR-WRAPLX provides high data rates and superior throughput for data-intensive and latency-sensitive applications. It 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-WRAPLX



### 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
- Parking lot surveillance
- Low cost 802.11 Access Point

### Functions

- Station Bridge or Station Router
- Extremely flexible, administrative management via web, Telnet, SSH, HS Configurator, and SNMP
- Sniffing, scanning, bandwidth utilization management
- Supports “behind the firewall” features that allow for easy video deployment
- Multicast routing
- VLAN support
- QoS management
- Free management software
- Complete diagnostic tools

### Features

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

**Sustainability.** 6 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.

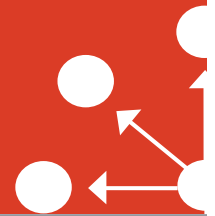
**Simple Web Interface.** For Installers and less technical users.

### Contact Us

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## Specifications

### HR-WRAPLX

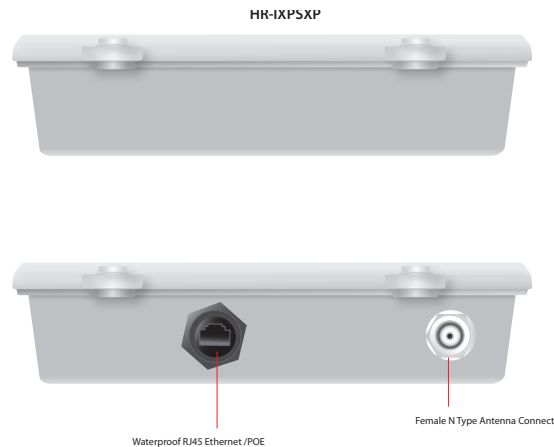
#### Radio Module Features

- **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
  - IEEE 802.11a
  - IEEE 802.11g
  - IEEE 802.11b
  - IEEE 802.11e
  - IEEE 802.11f
  - IEEE 802.11h
  - IEEE 802.11i
- **Compliance**
  - FCC Part 15 Class B (modular)
  - ETSI 300.328
  - ETSI 300 826
  - CE mark
  - FCC Part 90Y(modular)
- **Frequency Options**
  - WRAPLX-M
  - WRAPLX-2
  - WRAPLX-37\*\*
  - WRAPLX-4\*
  - WRAPLX-5
  - WRAPLX-9

Note:  
 M=multiband, 25dBm/-92dBm  
 (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  
 4=4.9GHz\*, 26dbm/-94dBm

\* Export of military use only. Not for commercial use in USA.

\*\* Public safety use only. Requires approval.



#### 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

- Mid performance embedded processor
- 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
- Voltage and temperature monitor
- Watchdog timer
- Real Time Clock
- 1 ea. N type RF connector
- Waterproof RJ45 Ethernet connector
- Pole mount included, surface mount optional
- Passive PoE injector and 90-240VAC power supply included