

HauteWRAP™ Outdoor Single Radio Wireless Router

The HR-WRAPSXSC is designed to be used as a master (aka “AP” or “base station”) router in a point-to-multipoint system; as a high performance station router when the highest throughput is essential, or as a wireless mesh node.

The HR-WRAPSXSC 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-WRAPSXSC



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
- Outdoor public access points
- Parking lot surveillance

Functions

- Base station or high performance 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 allows for easy video deployment
- Simple to use installer Web interface
- 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.

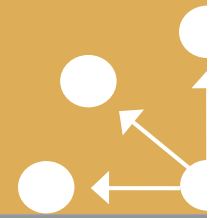
Simple Web Interface. For Installers and less technical users.

Contact Us

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Inquiries: sales@hautepot.net

Web: www.hautepot.net



Specifications

HR-WRAPSXC

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.
 - **MIMO :**
 - 20MHz 1Nss**
 - 65 Mbps@800GI
 - 72.2 Mbps@400GI (Max.)
 - 20MHz 2Nss**
 - 130 Mbps@800GI
 - 144.4 Mbps@400GI (Max.)
 - 40MHz 1 Nss**
 - 135 Mbps@800GI
 - 150 Mbps@400GI (Max.)
 - 40MHz 2 Nss**
 - 270 Mbps@800GI
 - 300 Mbps@400GI (Max.)
- **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**
 - WRAPSXC-M, -N, -2, -37, -4, -5, -9

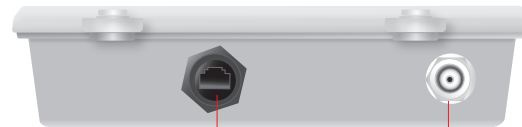
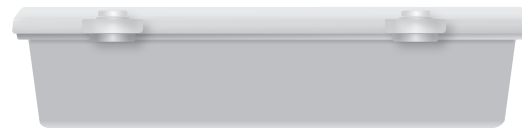
Note:

M=multiband, 25dBm/-92dBm
(2.4, 4.9*, 5GHz)
N=2.4 GHz/5 GHz 25dBm /-97 dBm 2x2
MIMO dual band radio
37=3.65** GHz, 25dBm/-92dBm
9=900MHz, 28dBm/-93dBm
2=2.4GHz, 28dBm/-97dBm
4=4.9Ghz*, 26dBm/-94dBm
5=5.8GHz, 28dBm/-94dBm

- **Physical & Environmental**
 - 6 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.



Waterproof RJ45 Ethernet /PoE

Female N Type Antenna Connector

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
- 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
- 1 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