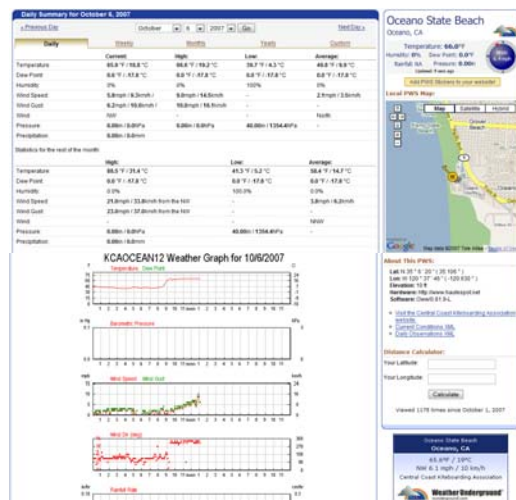


HR-IXPWIND Wireless Remote Weatherstation

Features

- ✓ High Performance Network Processor for near wire speed packet forwarding
- ✓ Ruggedized outdoor enclosure
- ✓ Reliable and secure on-board flash for booting the HauteRoute OS™ operating system
- ✓ Simple to configure browser management interface
- ✓ Choice of high gain radio modules supporting 900Mhz at up to 700mW, 2.4Ghz at up to 400mW, 4.9 GHz 400mW or 5Ghz at up to 400mW
- ✓ 10/100 Base-TX Ethernet port (with auto MDI/MDIX)
- ✓ Reverse voltage and transient protection
- ✓ 6W typical operating power with radios at full power. Can be solar powered
- ✓ 0°C to 70°C operating temperature
- ✓ 0 to 90% Operating Humidity
- ✓ 32Mbytes SDRAM
- ✓ Complete weather monitoring solution
- ✓ Integrates with Weather Underground, HAM Weather or Citizen Weather Observer Program
- ✓ Plug and play operation with any 802.11 network or use with Public Safety or 900MHz bands.



Weather Statistics Interface



Complete remote wireless weather station. Shown with optional antenna.

The HauteWind Wireless Weather Station is a complete, turn key solution for remote weather monitoring. Combining high performance broadband wireless networking, full feature application support including Web server, a variety of weather sensors, and the ability to integrate virtually any IP camera, this is the perfect solution for remote data gathering at distances up to 26 miles*.

With the flexibility to select a radio module to suit your application need, the HauteWind Wireless Weather Station can be placed miles from the nearest broadband network connection, regardless of terrain, obstructions, or weather. As the client of a point to multipoint network, it can easily connect to any existing 802.11, public safety or 900MHz broadband based network

The base package includes the wireless client bridge housed in a waterproof NEMA IP 6/7 enclosure, Power Over Ethernet injector, temperature sensor, anemometer (wind direction and wind speed), and barometer. You can also select the appropriate radio module for your application: 900MHz for long distance through trees or over moderate obstructions but at lower data rates (limits video streaming throughput); 2.4GHz (802.11b/g) for near line of sight operation at higher data rates; 4.9GHz for Public Safety Agencies; or 5GHz (802.11a) for the highest data rate in line of sight operation. HauteSpot Networks offers a wide array of complimentary antenna solutions as well, to fit almost any need (antennas are not included with the product).

As a wireless client bridge, the HauteWind Wireless Weather Station can be integrated with virtually any IP camera, just attach the camera via a cross over cable or Ethernet hub to the HR-IXPWIND and you are streaming video as well as weather data.

- Intel XScale IXP Network Processor
- 10/100 Base-TX Ethernet Ports (with Auto MDI/MDIX)
- On-board, non-removeable, secure flash storage
- RS-232 Serial Port for Sensors
- Watch-Dog Timer
- Wide Input Voltage (9 to 48VDC)
- Supports Power Over Ethernet (PoE)
- 0°C to 70°C Operating Temperature

- 900 MHz, 2.4GHz, 4.9GHz and 5GHz operation using 802.11 protocol
- Up to 152-bit WEP data encryption with TKIP, WiFi Protected Access (64,128,152-WEP with TKIP)

- Temperature
- Wind Speed and Direction
- Optional Sensors for:
 - barometric pressure
 - rain gauge
 - relative humidity,
 - gamma radiation
 - soil acidity
 - soil moisture
 - battery level
 - fuel level

The HauteWind Wireless Weather Station draws less than 10 Watts and can be powered by optionally available solar/battery systems, vehicle power or standard AC power.

All of the features of the HauteWind Wireless Weather Station can be managed through a simple Web interface, accessible through any browser.

Additional sensors for barometric pressure, battery life, solar radiation, leaf moisture, gypsum soil sensor and others are available for custom integration.

HR-IXPWINDi – indoor system (see separate data sheet)
HR-IXPWIND-9 – 900MHz remote weather station
HR-IXPWIND-2 – 2.4 GHz remote weather station
HR-IXPWIND-4 – 4.9 GHz remote weather station
 (For sale to Law Enforcement or export only)
HR-IXPWIND-5 – 5GHz remote weather station

WA-Barometer – barometric sensor option
WA-Rain – rain gauge sensor option
WA-TempHumidSolar – additional temperature, relative humidity and solar radiation sensor option
WA-SerialAD – replacement sensor adapter

Electronic components warranted for 1 year.

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3450 Sacramento Drive
Suite A
San Luis Obispo, CA 93401
Phone: 805-541-WISP (9477)
Fax: 805-456-3829