

# NWH6110

## 11Mbps Wireless Building-to-Building Bridge



### Introduction

The InstantWave 11Mbps Wireless Access Point provides interoperability, expandability, security, and manageability for top performance wireless networking in both single and multiple AP installations. Comprehensive SNMP-based management software gives professional level network management tools for easy wireless network management and monitoring.

The InstantWave 11Mbps Wireless Access Point fully complies with the IEEE 802.11b and Wi-Fi standards. With superior wireless technology and advanced features, the InstantWave 11Mbps Wireless Access Point is a reliable, high performance, cost effective wireless solution.

### Key Features and Benefits

Industrial IEEE 802.11b Standard Compliant

Complies with the IEEE 802.11b DSSS (Direct Sequence Spread Spectrum) wireless standard and is fully compatible with Wi-Fi certified products, ensuring full product interoperability between vendors.

Superior Coverage and High Transmission Quality

InstantWave's advanced radio frequency technology gives outstanding performance at up to 11Mbps data transmission/reception speed:

- Advanced external dual diversity antenna for top quality transmission/reception
- Superior receiving sensitivity enhances weak data signal pickup at longer distances

Easy Installation

User-friendly Windows-based interface, setup wizard, and step-by-step instructions make the InstantWave 11Mbps Wireless Access Point fast and easy to install.

Detachable Antenna

The detachable antenna design provides the flexibility to connect a high-gain antenna for higher transmission quality over a wider coverage area, or in a radio frequency hostile environment.

Wireless Configuration

InstantWave's superior wireless technology eliminates the requirement to make a wired set up or configuration connection. Simply do it all from a wireless client!

Comprehensive Network Management Tools

- Supports SNMP for MIB I and MIB II over Ethernet in a Windows environment.
- **Service Discovery :**  
Auto IP Address Assignment Support : The NWH660 will automatically generate a new IP address should the DHCP server fail. - AP Discovery: Allows network administrators to easily locate all InstantWave APs for centralized management.
- **Supports Site Survey :**  
Helps evaluate and determine the best location in which to place the AP for the best performance.
- **Protocol Filtering :**

Saves bandwidth and increases security by preventing the AP from transmitting unneeded protocols onto the wireless network.

- **On-line Firmware Upgradeability :**

Allows AP firmware to be upgraded from a remote station without stopping the network.

- **Trap Server :**

With auto-notification of abnormal operation, network administrators can easily monitor the network operating condition and take preventive action in order to increase network uptime.

- **Windows-based Configuration :**

Allows users to easily configure the AP in a Windows environment.

- **DHCP Client Support :**

Automatically obtains a new IP address from a DHCP server using the Dynamic Host Configuration Protocol.

- **Batch Configuration :**

Automatically propagates configuration settings to a group of APs on the same subnet.

## Specifications

- **Standards Compliance :**

IEEE 802.11b, Wi-Fi compliant

- **Radio Frequency Type :**

Direct Sequence Spread Spectrum (DSSS)

- **Frequency Band :**

2.4GHz

- **Transmission Rate :**

Up to 300m (984ft) outdoors (depends on the interference conditions and environment)

Up to 100m (328ft) indoors (depends on the interference conditions and environment)

- **Access Point Interfaces :**

10Base-T: RJ-45

RS-232: D-SUB 9 pin

Radio Wave: Antenna - Reverse-SMA

- **Antenna Type :** Dual dipole diversity

- **Security :**

40-bit/128-bit WEP encryption; Secure SSID; User Authentication (EAP-like); MAC Access Control; Administrative Access Control; Unauthorized wireless Access Alert

- **Software Support :**

SNMP for MIB I and MIB II; Windows-based network management tools; Access Control; Protocol filtering; Trap Management; Self-Diagnostic Test; Upgradeable Firmware; Auto IP Assignment; AP Discovery; Seamless Roaming; DHCP Client- Batch Configuration

- **Operating Environment :**

Operating Temperature : 0 ~ 55 ºC (32 ~ 131 ºK)

Storage Temperature : -30 ~ 70 ºC (-22 ~ 158 ºK)

Humidity : Maximum 85% at 40 ºC (104 ºK) non-condensing

- **Dimensions :** 220 x 145 x 33mm (8.66 x 5.71 x 1.30in.)

- **Power :**

DC 5.1 Volt + 5%; 2A (Max.); AC adapter AC 100V ~ 240V; 1.0A (Typical)

Power Consumption: 5.1Volt. 1.0A (Typical)

- **Regulatory Approval :** FCC Part 15 B (US); CE; TELEC

- **OS Support :** Windows 95/98/Me/NT4.0/2000/XP

- **Warranty :** One year limited