



11Mbps Wireless Outdoor Access Point

NWH9210 AP



Product Overview

The NWH9210 Outdoor Access Point offers all the interoperability, expandability, security, and manageability that high-performance wireless networks demand. Full-featured SNMP-based software included with the NWH9210 Outdoor AP gives network administrators completely professional yet easy-to-use tools for network management and monitoring. For installation in exposed locations, the optional Outdoor Protection Package allows the NWH9210 Outdoor AP to withstand the harshest weather conditions, including high winds, rain, and snow.

The NWH9210 Outdoor AP fully complies with the IEEE 802.11b standard. Combining superior wireless technology and advanced features, the NWH9210 Outdoor AP is a reliable, high-performance, cost-effective solution for the most demanding wireless networking environments.

Key Features and Benefits

Industrial IEEE 802.11b Standard Compliant Outdoor Protection Package for Harsh Weather Superior Coverage and High Transmission Quality

- High performance 100 mW(20dBm) radio design, with transmit power adjustment capabilities.
- Superior receiving sensitivity enhances weak data signal pickup at longer distances.

Wireless Configuration

Our 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:

Wireless Management System

- Supports SNMP for MIB I and MIB II over Ethernet in a Windows environment.
- Service Discovery
 - Auto IP Address Assignment Support: The NWH9210 AP will automatically generate a new IP address should the DHCP server fail.
 - AP Discovery: Allows network administrators to easily locate all NDC APs for centralized management.
 - Kick Start: Using Kick Start management, user can configure network devices by Layer 2, MAC, protocol, even under different subnet.
- User Isolation: Administrator can implement this feature to prevent any client to detect another client in the same wireless network and give clients full privacy under public access circumstances.
- 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.
- Bulk Configuration: Automatically propagates configuration settings to a group of APs on the same subnet.

Enhanced Multiple Levels of Security Protection

- WEP (Wired Equivalent Privacy): 64 & 128-bit WEP encryption for secure wireless LAN data transmissions.
- Secure SSID: Blocks unauthorized wireless clients from associating with the AP
- IEEE 802.1x: For enhanced security to provide centralized, user-based authentication and single-user, single-session encryption keys.
- MAC Access Control: Enter up to 1024 authorized wireless client MAC Addresses.
- SNMP Access Control: Prevents tampering with device settings.

Power Over Ethernet

PoE reduces power-cable installation expenses and increases location options by carrying both data and power to the AP through a single Ethernet cable.

Transmit Power Management

Adjustable power level from minimum to maximum to extend transmission range

Detachable Antenna(Optional)

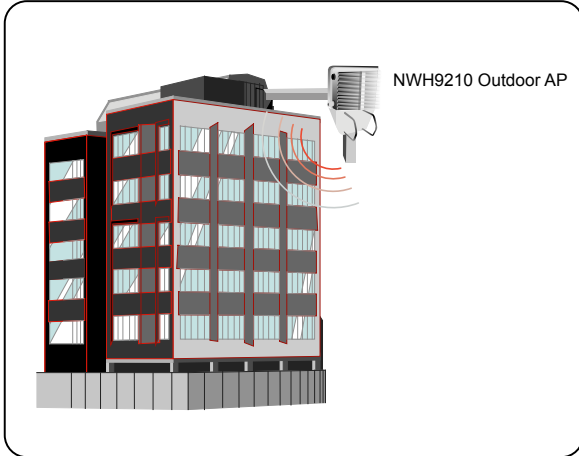
The detachable antenna design provides the flexibility to connect a high-gain antenna for higher transmission quality over a wider coverage area, or in a radio frequency hostile environment.



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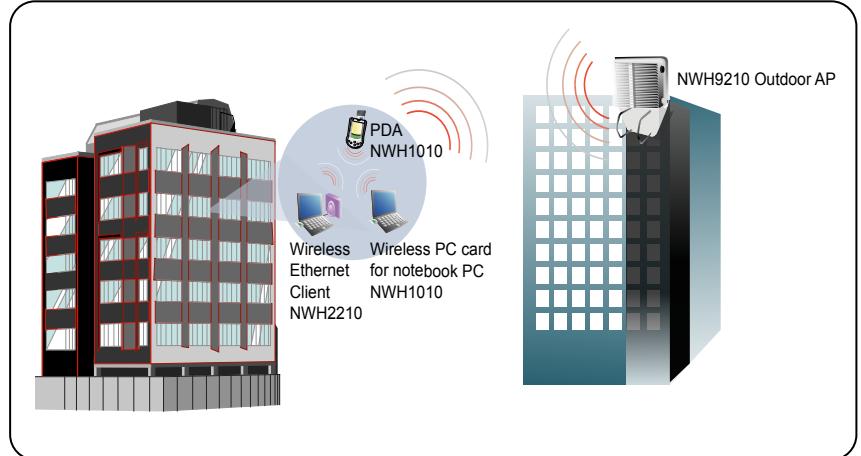
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11Mbps Wireless Outdoor Access Point Application Scenarios



Single Building

Each room close to window get broadband connection when AP is shooting from the top of the building.



Buildings

Shooting from the opposite building provides better coverage, and wireless adapters can have good performance in this scenario.

Specifications

| | |
|---|---|
| Standards Compliance | IEEE 802.11b |
| Radio Frequency Type | Direct Sequence Spread Spectrum (DSSS) |
| Frequency Band | 2.4GHz |
| Available Transmit Power Adjustment | 100mW (Max.) 100/ 50/ 30/ 10/ 5mW |
| Transmission Rate | 11Mbps (Max.) 11/5.5/2/1Mbps auto fallback |
| Sensitivity | -84 dBm |
| Channels support | US/Canada: 11 Channel s (1 ~ 11); Major European country: 13 Channel (1 ~ 13); France: 4 Channel (10 ~ 13); Japan: 13 Channel (1 ~ 13) or 1 (14th) |
| Access Point Interfaces | 10Base-T: RJ-45 Radio Wave: Antenna - N type connector |
| Security Systems | 64-bit/128-bit WEP encryption; Secure SSID; 802.1x support (Windows XP only); MAC Access Control; Administrative Access Control; Unauthorized wireless Access Alert |
| Software Support (WMS management tool) | SNMP for MIB I and MIB II; Windows-based network management tools; User Isolation; Kick Start; Access Control; Protocol filtering; Trap Management; Upgradeable Firmware; Auto IP Assignment; AP Discovery; Seamless Roaming; DHCP Client |
| Environmental Requirements | Operating Temperature: -20° to 70° C ; Storage Temperature: -30° to 80° C ; Humidity: 5% to 95%, non-condensing |
| Dimensions | 165 X 135 X55 mm (6.52 X 5.34 X 2.17 in.) |
| Power | Input voltage 12V DC; external power supply included (input voltage 100V to 240V AC) |
| System OS Support | Windows 95/98/Me/NT4.0/2000/XP |
| Warranty | One year limited |

Product appearance and specifications are subject to change without notice.

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