



Wireless 150N Outdoor Range Extender / Access Point

Multiple SSIDs, Wireless client isolation, Bridge, Repeater, WDS, Passive PoE, Built-in 12dBi Antenna

Part No.: **525497**

Wireless networking with three times the speed and five times the flexibility.

The Intellinet Wireless 150N Outdoor Access Point Repeater is the latest in wireless networking. Taking advantage of new technology, a wireless network can now see greatly enhanced network speeds.

Multiple Solutions in One Device

The Intellinet Wireless 150N Outdoor Access Point serves multiple purposes — an access point for your wireless network supporting wireless bridge for point-to-point connections or WDS setups, an integrated antenna for long range transmissions — and brings it all together so that the devices can access a high-speed Internet connection.

Flexibility

This access point can be configured in any one of five modes: 1) Access Point (AP), 2) Point-to-Point (PtP), 3) Point-to-Multi-Point (PtMP), 4) Universal Repeater or 5) AP Client (Station Infrastructure). Add support for bridge, gateway and WISP mode and you have an extremely flexible solution for both indoor and outdoor applications.

Secure Communications

The Wireless 150N Outdoor Access Point provides maximum wireless security by supporting 802.1x user authentication for external RADIUS servers and, thanks to its internal RADIUS server, the access point can be used as the authentication server in smaller networks. Other security features included in this access point are MAC address filtering, disable SSID broadcast and support for the latest wireless encryption mechanisms.

Features:

- Up to 150 Mbps network link speed
- Provides a Wi-Fi coverage range of up to 1 kilometer (1,100 yards)
- Complies with 2.4 GHz IEEE 802.11n standard and is backward compatible with IEEE

802.11g/b standards

- Supports Wi-Fi Protected Setup (WPS)
- Supports WEP and WPA/WPA2 (TKIP and AES) data encryption
- IPX-5 water-resistant
- Supported modes: Access Point, Bridge Point-to-Point, Bridge Point-to-Multi-Point, WDS and Universal Repeater
- Supports multiple ESSIDs with individual security settings
- Supports WISP, gateway and bridge operation modes
- Supports VPN pass-through for L2TP, IPsec and PPTP connections
- Built-in 12dBi antenna
- SMA connector for optional external antenna
- LNA (Low Noise Amplifier) technology for improved radio performance
- Use Intellinet Network Solutions Wireless N adapters for the best compatibility and performance

Specifications:

Standards

- IEEE 802.11b (11 Mbps Wireless LAN)
- IEEE 802.11g (54 Mbps Wireless LAN)
- IEEE 802.11n (150 Mbps Wireless LAN)
- IEEE 802.1x (Network Access Control)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)

General

- LAN port: RJ45 10/100 Mbps data port
- LAN port with Auto MDI/MDI-X
- Flash: 4 MB
- Memory: 32 MB SDRAM
- Certifications: FCC Class B, CE

Wireless

- Wireless frequency range: 2.400 – 2.484 GHz
- Modulation technologies:
 - 802.11b: Direct Sequence Spread Spectrum (DSSS): DBPSK, DQPSK, CCK
 - 802.11g: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
 - 802.11n: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
- Data rates:
 - IEEE 802.11b (11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps)
 - IEEE 802.11g (54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps)
 - IEEE 802.11n (MCS0-7: up to 150 Mbps)
- Output power:
 - OFDM: 15 dBm +/- 1.5 dBm (150 Mbps, 31 mW max.)

- OFDM: 17 dBm +/- 1.5 dBm (54 Mbps, 50 mW max.)
- CCK: 19 dBm +/- 1.5 dBm (11 Mbps, 80 mW max.)
- Receiver sensitivity:
 - 11n (150 Mbps): -71 dBm
 - 11g (54 Mbps) OFDM: -75 dBm
 - 11b (11 Mbps) CCK: -89 dBm
- Wireless operation modes:
 - Access Point
 - Station Infrastructure (AP Client)
 - Point-to-Point Bridge
 - Point-to-Multi-Point Bridge
 - WDS Bridge
 - Universal Repeater
- Wireless security:
 - WEP encryption (64/128 bit)
 - WPA TKIP
 - WPA2 AES
 - WPA2 mixed
 - WPA RADIUS
 - 802.1x Authentication
 - Client access control through media access control (MAC) filter
- Wireless client isolation:
 - AP isolation prevents WLAN users attached to different SSIDs from communicating with each other
 - MBSSID AP isolation prevents all WLAN users from communicating with each other, even if they are connected to the same SSID
- Antennas:
 - 12dBi dual-polarized directional antenna

LEDs

- Power
- WLAN Link/Act
- LAN Link/Act
- WAN Link/Act

Environmental

- Dimensions: 225 (H) x 77 (W) x 59 (D) mm (8.9 x 3.0 x 2.3 in.)
- Weight: 0.250 kg (8.8 oz.)
- Operating temperature: 0 – 70°C (32 – 158°F)
- Operating humidity: 10 – 90% RH, non-condensing

Power

- External power adapter: 12 V DC, 1.0 A

Package Contents

- Wireless 150N Outdoor Range Extender / Access Point
- Quick installation guide
- User manual

- Cable tie
- Passive PoE power adapter



