



Wireless 450N Dual-Band USB Adapter

450 Mbps, 802.11a/b/g/n, 2.4 + 5 GHz, USB 2.0, 3T3R MIMO

Part No.: 525275

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Maximize the Wireless Potential of Your Netbook, Laptop or Desktop PC

The Intellinet Network Solutions Wireless 450N Dual-Band USB Adapter helps you connect your netbook, laptop or desktop computer to a home or office dual-band wireless network. Capable of handling lightning-fast speeds of 450 Mbps*, this USB adapter is ideal for high-demand applications like transferring large files, streaming HD video, using Cloud-based programs, making VoIP calls and playing online multiplayer games. Advanced 3T3R MIMO antenna technology ensures wireless signal range and fidelity, while integrated Wi-Fi Multimedia (WMM) prioritizes traffic for optimized bandwidth use.

Upgrade Your Wireless

You might not be aware of this, but many netbooks and laptops don't use the latest wireless network standard - Wireless N - as a standard feature, and almost none have built-in dual-band wireless capability. This means most portable PC users aren't getting the wireless experience that they expect or deserve. The Intellinet Wireless 450N Dual-Band USB Adapter gives your PC's wireless capabilities a total upgrade, allowing you to quickly and easily connect to a 450 Mbps 2.4GHz or 300 Mbps 5GHz wireless network for enhanced performance and for work or play.

Congestion? Not Here!

Dual-band wireless lets you move your high-bandwidth applications from the cluttered 2.4 GHz band (the one used by everything from tablets to garage door openers) to the uncongested 5 GHz band. So, you can use the 2.4 GHz band for your everyday tasks like surfing the Internet, sending e-mail or updating your status on social media sites, while the 5 GHz band is reserved for heavy-duty traffic like HD-quality video streaming, online gaming, video chat or VoIP calling.

Easy to Setup and Backwards Compatible

The Wireless 450N Dual-Band USB Adapter connects to your PC via any available USB port and the Intellinet Quick Install Wizard gets you up and running in minutes. Its slim design makes the Wireless 450N

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Dual-Band USB Adapter easy to carry with you anywhere you go, and its integrated “flip-up” antenna helps eliminate Wi-Fi blind spots and environmental signal interference**. And, because it is backward compatible with 802.11a, 802.11b and 802.11g, you can connect to virtually any network or public hotspot at the fastest speed possible.

Protect Your Network with the Latest Technology

The Wireless 450N Dual-Band USB Adapter Incorporates the latest in wireless security technology for your safety and peace-of-mind. It features Wi-Fi Protected Setup (WPS) to make configuring and enabling a secure network as easy as pushing a button, as well as WEP, WPA and WPA2 advanced encryption protocols.

* Data throughput rate will vary depending upon network conditions and environmental factors, including volume of network traffic, electromagnetic interference and network overhead.

** Physical environmental factors (including building layout and construction materials) may affect wireless signal range.

Features:

- Connects your desktop or laptop PC to a wireless network
- Dual-band operation provides twice the bandwidth and less interference
- Ideal for streaming HD-quality video, playing online games, downloading large files and making VoIP calls
- Supports dual-band 2.4 GHz and 5 GHz operation
- Easily secure your network connection with Wi-Fi Protected Setup (WPS)
- Supports advanced 3T3R MIMO technology, enhancing the throughput and coverage range significantly
- Complies with 5 GHz IEEE 802.11a/n standards and 2.4 GHz IEEE 802.11b/g/n standards
- Supports WMM (IEEE 802.11e QoS standard) prioritizing bandwidth for multi-media applications
- Supports WEP (64/128 bit), WPA and WPA2 data encryption
- Supports Hi-Speed USB 2.0/1.1 interface
- Supports Software AP function (turns your wireless client into a wireless access point)
- Supports the most popular operating systems: Windows XP, Vista and Windows 7
- Works best with Intellinet Wireless 450N Dual-Band Gigabit Router (524988)
- Use with Intellinet Network Solutions Wireless N WLAN products for best compatibility and performance
- Three-Year Warranty

Specifications:

Standards

- IEEE 802.11a (54 Mbps Wireless LAN)
- IEEE 802.11b (11 Mbps Wireless LAN)

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- IEEE 802.11g (54 Mbps Wireless LAN)
- IEEE 802.11n (450 Mbps Wireless LAN)
- IEEE 802.11e (QoS Enhancement WMM)

General

- Interface: Hi-Speed USB 2.0
- Chipset: Ralink RT3573
- Frequency band:
 - 2.400 – 2.483 GHz (Industrial Scientific Medical Band)
 - 5.150 – 5.825 GHz (Industrial Scientific Medical Band)
- 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
- Security:
 - 64/128-bit WEP data encryption
 - WPA and WPA2
- Transmit power 2.4 GHz:
 - 11n: 14 dBm +/- 1.5 dBm
 - 11g: 14 dBm +/- 1.5 dBm
 - 11b: 16 dBm +/- 1.5 dBm
- Transmit power 5 GHz:
 - 11n: 11 dBm +/- 1.5 dBm
 - 11a: 11 dBm +/- 1.5 dBm
- Receive sensitivity 2.4 GHz:
 - 11n 40 MHz: -66 dBm +/- 2 dBm
 - 11n 20 MHz: -69 dBm +/- 2 dBm
 - 11g: -71 dBm +/- 2 dBm
 - 11b: -87 dBm +/- 2 dBm
- Receive sensitivity 5.0 GHz:
 - 11n 40 MHz: -65 dBm +/- 2 dBm
 - 11n 20 MHz: -69 dBm +/- 2 dBm
 - 11a: -70 dBm +/- 2 dBm
- Antennas: 3T3R mode, 2 printed antennas, 1 external antenna
- Certification: FCC Class B, CE

LEDs

- Link/Activity

Environmental

- Dimensions: 18 (H) x 26.6 (W) x 87.1 (L) mm (0.7 x 1.0 x 3.4 in.)
- Weight: 0.16 kg (0.4 lbs.)
- Operating temperature: 0 – 40°C (32 – 104°F)
- Operating humidity: max. 90% RH, non-condensing
- Storage temperature: -20 – 60°C (-4 – 149°F)

System Requirements

- Windows XP/Vista and Windows 7
- Available Hi-Speed USB 2.0 type-A port

Package Contents

- Wireless 450N Dual-Band USB Adapter
- USB extension cable
- Quick installation guide
- Setup CD with user manual



