



Wireless 300N USB Adapter

300 Mbps, USB, 2T2R MIMO, 3 dBi high-gain antenna

Part No.: **525206**

Get the most from your wireless network for your notebook or desktop PC.

The Wireless 300N USB Adapter is a compact high-speed adapter that allows you to connect your notebook or desktop PC to wireless networks at faster speeds than ever before. Now you can transfer or receive digital images, videos and MP3 files faster than ever, connecting to the wireless network with link speeds of up to 300 Mbps using the latest in wireless technology. This adapter is also compatible with 802.11b and 802.11g wireless access points and wireless routers, giving you the flexibility to start upgrading your wireless network without the need to replace your existing equipment.

Extreme Wi-Fi Performance

Intellinet's advanced 2T2R architecture implements two-stream 802.11n technology, enabling transmission rates of up to 300 Mbps.* This solution addresses concurrent delivery of data, voice and HD video throughout the home or office.

Increased Throughput

The Wireless 300N USB Adapter supports up to 300 Mbps network link speed*, providing you with optimum throughput for your data networking applications. Whether you are downloading music, images or large text files, the Wireless 300N USB Adapter, with its WMM-enhanced (IEEE 802.11e QoS standard) multimedia support, will optimize the performance of your wireless network, allowing you to spend your time more productively.

Convenient Setup

The Wireless 300N USB Adapter features a compact design that allows you to carry it with you wherever you go. And since it supports 802.11b, 802.11g and 802.11n, you can connect to a network at any public wireless hot spot. Whether you are home or at work, at an airport or at an Internet café, simply plug the Wireless 300N USB Adapter into an available USB port on your notebook or desktop PC and instantly start enjoying wireless connectivity.**

* Actual data throughput will vary. Network conditions and environmental factors — including volume of network traffic, building materials and construction, and network overhead — lower the actual data throughput rate.

** Environmental factors may adversely affect wireless signal range.

Features:

- Connects your desktop PC or notebook to a wireless network
- Up to 300 Mbps network link speed
- Equipped with a powerful 3 dBi high-gain antenna
- Supports Wi-Fi Protected Setup (WPS)
- Complies with 2.4 GHz IEEE 802.11n standard and is backward compatible with IEEE 802.11g/b 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 the most popular operating systems: Windows XP, Vista and Windows 7
- Supports Software AP function (turns your wireless client into a wireless access point)
- Use with INTELLINET NETWORK SOLUTIONS Wireless N WLAN products for best compatibility and performance
- Three-Year Warranty

Specifications:

Standards

- › IEEE 802.11b (11 Mbps Wireless LAN)
- › IEEE 802.11g (54 Mbps Wireless LAN)
- › IEEE 802.11n (300 Mbps Wireless LAN)
- › IEEE 802.11e (Wireless Multimedia Extensions [WME])

General

- › Interface: Hi-Speed USB 2.0
- › Chipset: Realtek RTL8192
- › Frequency band: 2.4000 - 2.4835 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
 - Cisco CCX
 - Wi-Fi Protected Setup (WPS)
- › Transmit power:
 - 300 Mbps 20 MHz, 13 dBm +/- 1.5 dBm
 - 300 Mbps 40 MHz, 13 dBm +/- 1.5 dBm
 - 54 Mbps OFDM, 14 dBm +/- 1.5 dBm
 - 11 Mbps CCK, 16 dBm +/- 1.5 dBm
- › Receive sensitivity:
 - 300 Mbps 20 MHz, -69 dBm +/- 2 dBm
 - 300 Mbps 40 MHz, -66 dBm +/- 2 dBm
 - 54 Mbps OFDM, -67 dBm +/- 2 dBm
 - 11 Mbps CCK, -80 dBm +/- 2 dBm
- › Antennas: 2 antennas with 3 dBi gain, 2T2R MIMO
- › Certification: FCC Class B, CE

LEDs

- › Link/Activity

Environmental

- › Dimensions: 15 (H) x 15 (W) x 155 (L) mm (0.4 x 1.1 x 3.5 in.)
- › Weight: 0.14 kg (0.3 lbs.)
- › Operating temperature: 0 - 40°C (32 - 104°F)
- › Operating humidity: max. 95% RH, non-condensing

System Requirements

- › Notebook or Desktop PC with Pentium 1 GHz-compatible processor or higher
- › Windows XP/Vista and Windows 7
- › Available Hi-Speed USB 2.0 type-A port

Package Contents

- › Wireless 300N USB Adapter
- › Quick installation guide
- › Setup CD with user manual



