

Pure Networking 802.11g Wireless Mini USB Adapter

**This mini adapter provides
a wireless connection from
your PC's USB port to an
attached 802.11g device.**



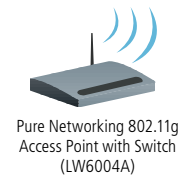
FEATURES

- » Compatible with IEEE 802.11g, 802.11b, and DSSS 802.11 equipment.
- » Reduces the cost of cabling— you're using fewer cables!
- » Installs in the USB port of a notebook, laptop, or desktop PC.
- » Allows up to 328 ft. (100 m) between the wireless PC and a wireless network device.
- » Supports Windows 98 SE/Me/XP and Windows 2000.

Mini USB Adapter operating in ad-hoc mode (peer-to-peer).



Mini USB Adapter operating in infrastructure mode.



OVERVIEW

Wireless networking has become a popular way to connect your PCs to other network devices such as hubs, routers, switches, and access points. Advantages of wireless networking include cost savings (since you don't have to buy cable), flexibility, and convenience. All that's required to use wireless networking is a wireless PC card and an antenna.

You don't have to route cable through small spaces. Simply plug the adapter into a PC's USB port. Maintain a clear line-of-sight from the PC to the network device that you want to access.

Several wireless networking standards exist, including 802.11, 802.11b, 802.11g, and 802.11a. These four standards support speeds of up to 2 (for 802.11), 11, (for 802.11b), and 54 Mbps (for both 802.11g and 802.11a). Also, 802.11b and 802.11g devices work in the 2.4-GHz band; the 802.11a standard uses the 5.8-GHz band.

While the original 802.11 standard uses two methods of data encoding (Frequency Hopping Spread Spectrum [FHSS] and Direct-Sequence Spread Spectrum [DSSS]), the newer 802.11b and 802.11g 2.4-GHz standards use DSSS only. The 802.11g standard also supports Orthogonal Frequency Division Multiplexing (OFDM) modulation.

Plus, 802.11g devices are compatible with 802.11b and 802.11 DSSS devices, so you don't have to replace your existing 802.11b or 802.11 equipment.

Note, however, that 802.11g devices are not compatible with 802.11 equipment using Frequency Hopping Spread Spectrum (FHSS).

The [Pure Networking Wireless Mini USB Adapter](#) installs in your notebook, laptop, or desktop PC and uses wireless technology to transfer data.

The adapter supports Windows OS plug-and-play installation, works with Windows 98 SE/Me/XP and Windows 2000, and is USB hot swappable, allowing you to plug it in or remove it without rebooting your computer.

High throughput maximizes multimedia data bandwidth and 64-/128-bit WEP data encryption for a high level of security. It also supports peer-to-peer communication among wireless users without using an access point. And the adapter even increases data security and reliability via automatic fallback.

The adapter works in ad-hoc or infrastructure mode. In ad-hoc mode, there's a peer-to-peer connection between the PC and the wireless device without using an access point. In infrastructure mode, the network connects the wireless devices together through an access point.

TECH SPECS

Distance (Maximum) — 328 ft. (100 m)

Frequency Band — 2.4000–2.4835 GHz

Modulation — OFDM with BPSK, QPSK, 16QAM, 64QAM (11g), BPSK, QPSK, CCK (11b)

Operating System — Compatible with all major operating systems; Drivers included for Windows® 98 SE/Me/XP and Windows 2000

Security — 64-/128-bit WEP Data Encryption

Speed — 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps with auto fallback

Standards — IEEE 802.11g

Bus Type — USB Type A

Radio Technology — Direct-Sequence Spread Spectrum (DSSS)

Connectors — (1) USB Type A

Indicators — (1) Link/Activity LED

Temperature — 32 to 131°F (0 to 55°C)

Humidity — Up to 95%, noncondensing

Power — From the interface

Transmit Power — 16 dBm

Size — 0.3"H x 1"W x 3.5"D (0.8 x 2.5 x 8.9 cm)

Item

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Code

LW6007A