



INTELLINET
NETWORK SOLUTIONS

BRINGING NETWORKS TO LIFE



Wireless Super G Hi-Speed USB Adapter

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

Model
501699

The INTELLINET NETWORK SOLUTIONS Wireless Super G 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 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 108 Mbps using Super G technology.

This adapter is 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.

Increased Throughput

The Wireless Super G USB Adapter supports up to 108 Mbps network link speed,¹ providing you with optimum throughput for your data networking applications. Whether you are downloading music, images or large text files, the Wireless Super G USB Adapter will optimize the performance of your wireless network, allowing you to spend your time more productively.

Wireless Network Security

The Wireless Super G USB Adapter provides advanced security encryption and decryption using industry-standard techniques such as 64/128-bit WEP, WPA (TKIP with IEEE 802.1x) and WPA2 (AES with IEEE 802.1X), ensuring that your data is secure as it is sent through the wireless network.

Convenient Setup

The Wireless Super G USB Adapter features an attractive and compact design that allows you to carry it with you wherever you go. And since it supports 802.11b and 802.11g, you can connect to a network at any public wireless hotspot. Whether you are home or at work, at an airport or at an Internet café, simply plug the Wireless Super G USB Adapter into an available USB port on your notebook or desktop PC and instantly start enjoying wireless connectivity.²

Compatible with 802.11b and 802.11g

The Wireless Super G USB Adapter is fully compatible with IEEE 802.11b and 802.11g standards, and can be used to connect to existing 802.11b/g routers and wireless access points, allowing you connect to other networks as you use your laptop outside the home or office.

Lifetime Warranty

Strict manufacturing standards ensure the highest quality in all INTELLINET NETWORK SOLUTIONS products. All items carry a full Lifetime Warranty — the strongest quality commitment anyone can make.

¹ 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.

² Environmental factors may adversely affect wireless signal range.



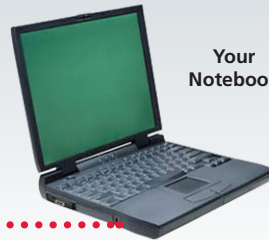
Wireless Super G Router

PCs



Internet

Wireless Super G USB Adapter



Your Notebook

Model 501699

Features

- Connects your notebook or desktop PC to a wireless network
- Super G wireless technology for enhanced wireless throughput
- 108 Mbps network data transfer rate
- Built-in antenna
- Increased security with 802.1x and WPA
- Supports 64/128-bit WEP, WPA-PSK (Wi-Fi Protected Access Pre-Shared Key) providing a high level of security
- Dynamic data rate scaling:
 - 54, 48, 36, 24, 18, 12, 9 and 6 Mbps for 802.11g
 - 11, 5.5, 2 and 1 Mbps for 802.11b
- Compatible with both IEEE 802.11b and IEEE 802.11g products
- Lifetime Warranty

Specifications

GENERAL

- Standards:
 - IEEE 802.11b, IEEE 802.11g
 - Universal Serial Bus 2.0, 1.1
- Chipset: Atheros
- Wireless LAN Frequency Range: 2412 – 2484 MHz ISM Band (Channels 1 – 14)
- Modulation Schemes:
 - OFDM for 802.11g
 - DSSS for 802.11b
- Data Rate:
 - Super G Technology: Up to 108 Mbps
 - 802.11g: Up to 54 Mbps (54/48/36/24/18/12/9/6 Mbps)
 - 802.11b: Up to 11 Mbps (11/5.5/2/1 Mbps)
- Range Coverage (depends on environment):
 - Up to 100 meters indoors (328 ft.)
 - Up to 300 meters outdoors (984 ft.)
- Security:
 - 64/128-bit WEP Data Encryption
 - WPA-PSK (Wi-Fi Protected Access Pre-Shared Key)
- Antenna: Built-in
- Media Access Protocol: CSMA/CA with ACK
- Transmit Power:
 - Minimum 13 dBm typically @ 802.11g
- Receiver Sensitivity:
 - 108 Mbps: Typical -68 dBm @ 10% PER
 - 54 Mbps: Typical -72 dBm @ 10% PER
 - 11 Mbps Typical -86 dBm @ 8% PER
- Continuous Power Consumption:
 - With 802.11g
 - 300 mA maximum in receive mode
 - 400 mA maximum in transmit mode
 - 30 mA maximum in standby mode

With 802.11b

- 250 mA maximum in receive mode
- 350 mA maximum in transmit mode
- 30 mA maximum in standby mode

Certifications:

- FCC Part 15.247 for U.S.
- ETS 300 328 for Europe

DIAGNOSTIC LEDS

- Power & Link Status

PHYSICAL SPECIFICATIONS

- Dimensions: 13 H x 30 W x 86.5 D mm (.51 H x 1.18 W x 3.4 D in.)
- Weight: .02 kg (.8 oz.)
- Operating Temperature: 0 to 40°C (32 to 104°F)
- Storage Temperature: -10 to 65°C (14 to 149°F)
- Humidity: 5% to 95% RH (noncondensing)

SYSTEM REQUIREMENTS

- Notebook or Desktop PC with Pentium 300 MHz compatible processor or higher
- Windows 2000/XP
- Available USB Type A port
- Hi-Speed USB 2.0 port required for maximum throughput

PACKAGE CONTENTS

- Wireless Super G Hi-Speed USB Adapter
- 2-Inch (Optional) Extension Cable
- Setup CD and User Manual

For more information on INTELLINET NETWORK SOLUTIONS products, consult your local dealer or visit www.intellinet-network.com.



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