INTELLINET
NETWORK SOLUTIONS

Bringing Networks To Life

Wireless Super G PC Card

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

The INTELLINET NETWORK SOLUTIONS Wireless Super G PC Card is a 32-bit PC card adapter that allows you to connect your notebook 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 card 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 PC Card 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 PC Card will optimize the performance of your wireless network, allowing you to spend your time more productively.

Wireless Network Security
The Wireless Super G PC Card 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.

Stable Connectivity
The Wireless Super G PC Card includes an integrated-micro-strip, dual-diversity antenna, providing maximum reliability when connecting to your wireless network.[2] And the automatic data-rate switching provides maximum reliability, throughput and connectivity.

Compatible with 802.11b and 802.11g
The Wireless Super G PC Card is fully compatible with the 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 to 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 affect the actual data throughput rate.
[2] Environmental factors may adversely affect wireless signal range.

LIFETIME WARRANTY

PCs

Internet

Wireless Super G Router

Your Laptop

Wireless Super G PC Card

Model
501668

Features

- Connects your notebook PC to a wireless network
- Super G wireless technology for enhanced wireless throughput
- Supports up to 108 Mbps network data transfer rate
- Integrated, dual-diversity antenna for enhanced wireless connectivity
- 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
- Bus Type: 32-bit PC Card
- 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: Integrated-microstrip, dual-diversity antennas
- Media Access Protocol: CSMA/CA with ACK
- Transmit Power:
  - Minimum 17 dBm typically @ 802.11b
  - Minimum 14 dBm typically @ 802.11g
- Receiver Sensitivity:
  - 54 Mbps: Typical -75 dBm @ 10% PER
  - 11 Mbps Typical -95 dBm @ 8% PER

- Continuous Power Consumption:
  - 250 mA typical in receive mode
  - 350 mA typical in transmit mode
- Certifications:
  - FCC Part 15.247 for US
  - ETS 300 328 for Europe

DIAGNOSTIC LEDS
- Power & Link Status

PHYSICAL SPECIFICATIONS
- Dimensions: 7 H x 118 W x 54 D mm (.27 H x 4.64 W x 2.12 D in.)
- Weight: .04 kg (1.4 oz.)
- Operating Temperature: 0 to 40°C (32 to 104°F)
- Storage Temperature: -10 to 70°C (14 to 158°F)
- Humidity: 10% to 95% RH (noncondensing)

SYSTEM REQUIREMENTS
- Notebook PC with Pentium 300 MHz compatible processor or higher
- Windows 98SE/Me/2000/XP
- Available 32-bit PC Card Type II slot

PACKAGE CONTENTS
- Wireless Super G PC Card
- 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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