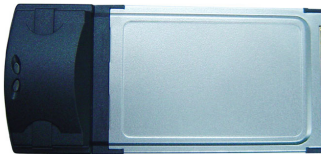


WPCO-131G

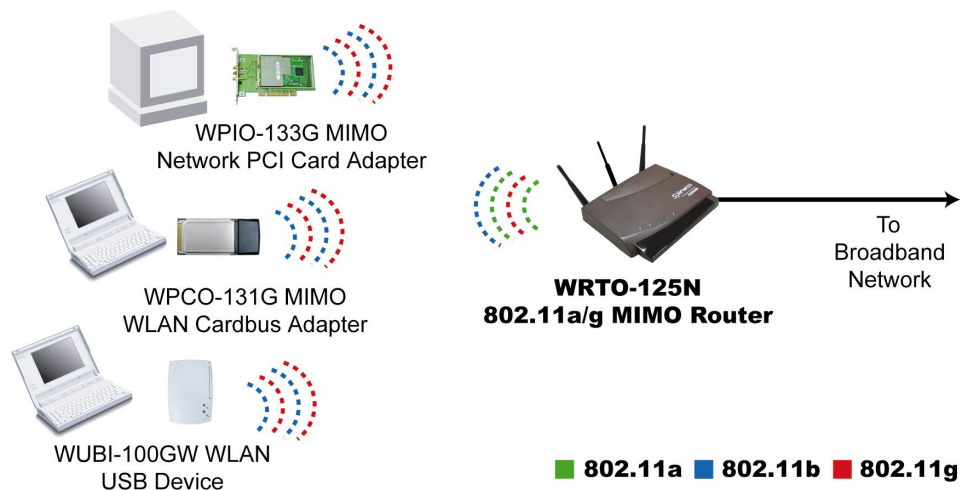
Air-G MIMO Network Cardbus Adapter



- **Compliant with IEEE 802.11 g & b Standards on 2.4 GHz Band**
- **The True MIMO Technology Provides up to 108 Mbps High-Speed Data Rate within a Single Channel**
- **Increase Speed and Coverage by Applying Smart Antenna Technology**
- **Support QoS, Draft 802.11e**
- **Capable of 64/128-Bit WEP, TKIP and AES Security Features**

The Gemtek Air-G MIMO network cardbus adapter WPCO-131G (the adapter) is a high performance wireless LAN adapter. It provides the wireless access to the networked resources with up to 108 Mbps data rates. The adapter applies the MIMO (Multiple-Input Multiple -Output), a smart antenna technology to significantly not only enhance the throughput but also to extend the coverage range. The adapter is fully compliant with IEEE 802.11g & 11b standards and therefore offers the compatibility with the existing 802.11g and 11b products. Its features with high transmission data rates and reliable performance are ideal for streaming multimedia applications .

The adapter also features WEP, AES-hardware-based and TKIP security capabilities. This allow s you to protect your data over wireless communications , and still without sacrifice the performance when encrypting and decrypting the data . On the other hand, with easy setup wizard tool and friendly user interface , the adapter is easy to install and use.



- Support Both Infrastructure and Ad-Hoc Networking Modes
- Built-in Internal Antenna
- Plug-and-Play Operation Provides Easy Setup and Use

General Specifications

Product Name Air-G MIMO Network Cardbus Adapter	Modulation 802.11g: OFDM, MIMO 802.11b: CCK (11, 5.5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
Model Number WPCO-131G	Temperature Range Operating: 0°C to 55°C (32°F to 131°F) Storage: -20°C to 65°C (-4°F to 149°F)
Spreading 802.11b: DSSS, CCK, QPSK, BPSK 802.11g: OFDM (True MIMO, 64QAM, 16QAM, QPSK, BPSK)	Humidity Operating: 10% to 95%, Non-Condensing Storage: Max. 95% Non-Condensing
Frequency Range 802.11b/g: 2.4 ~ 2.4835GHz (subject to local regulations)	Network Protocol TCP/IP, IPX, NDIS4, and NDIS5 ,NDIS 5.1
Number of Channels USA, Canada and Taiwan – 11 Japan – 14 Most European Countries – 13 France – 4	Standards IEEE 802.11b standard IEEE 802.11g standard Support for draft IEEE 802.11e
Roaming Seamless roaming among 802.11g compliant access points	LED Indicators Power Indicator Network Link Indicator
Data Rate 802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps True MIMO: 108, 96, 72 Mbps within a single channel	Operating System Supported MS Windows XP, 2000
Security 64/128 bits WEP, AES, and WPA (TKIP, 802.1x)	Dimensions 123 x 54 x 5 mm
Transmit Power 802.11b: 19 - 20 dBm (typical) 802.11g: 13 - 20 dBm (typical)	Unit Weight 1.69 oz. (48 g.)