

# WPCA-132AG

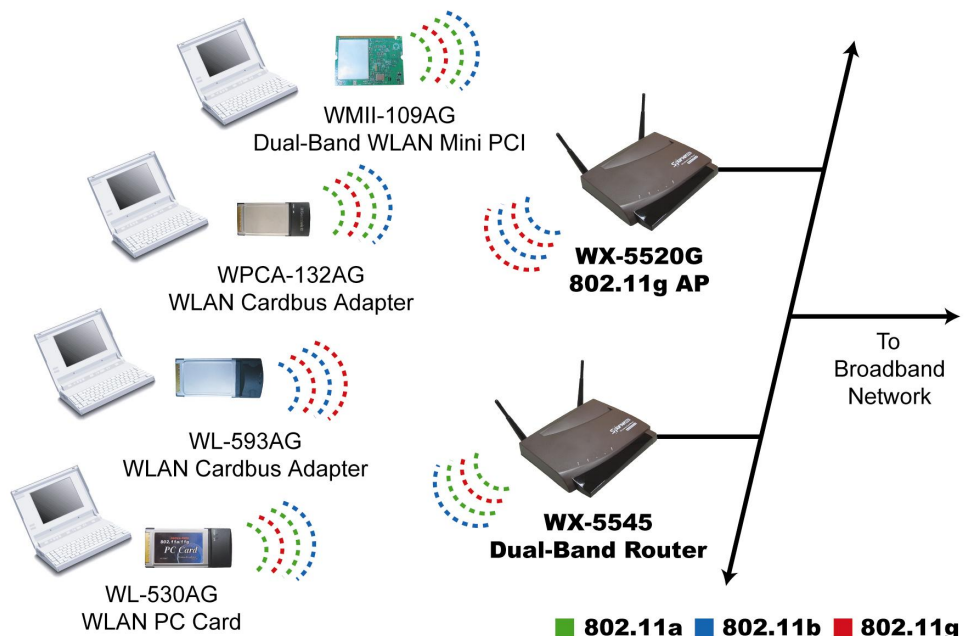
## Dual-Band WLAN Cardbus Adapter



Gemtek WPCA-132AG is a powerful dual band wireless A+G cardbus, providing high-speed wireless connection with data rate up to 108 Mbps. With the dual band feature, you can operate seamlessly in 2.4GHz and 5GHz radio band. Just with this single cardbus adapter, you can connect at home, at the office or at hot spots. It brings you the utmost in mobile convenience and connectivity

WPCA-132AG cardbus provides the ability to connect to any standard-based wireless network—802.11a, 802.11b standards and 802.11g specifications. It supports faster data transmission rates over greater distances than widely used 802.11b-based devices. With a friendly UI (User Interface), it's easy to setup and use. It also offers you reliable wireless communication with multiple levels of encryption. For 802.11a, it supports 64/128/152-bit industry-standard Wired Equivalent Privacy (WEP). For 802.11g, it supports 64/128-bit WEP and Advanced Encryption Standard (AES), the next generation cryptography algorithm which encrypts data much faster and safer.

- **Fully compliant with Wi-Fi, 802.11a and 802.11b Client Devices**
- **Seamless roaming among 802.11a/b/g compliant access point**
- **Support 802.1x enhanced security standard WEP, up to 152-bit WEP data encryption**
- **Setup Wizard allows user to configure the device as easy as possible**



# General Specifications

<b>Product Name</b> Dual-Band WLAN CardBus	<b>Receive Sensitivity</b> - 6Mbps 10-5 BER at - 90dBm - 9Mbps 10-5 BER at - 89dBm - 12Mbps 10-5 BER at -88dBm - 18Mbps 10-5 BER at -87dBm - 24Mbps 10-5 BER at -83dBm - 36Mbps 10-5 BER at -80dBm - 48Mbps 10-5 BER at -74dBm - 54Mbps 10-5 BER at -70dBm
<b>Model Number</b> WPCA-132AG	<b>Temperature Range</b> Operating: 0°C to 40°C (32°F to 150°F) Storage: 0°C to 70°C (-40°F to 185°F)
<b>Spreading</b> OFDM	
<b>Frequency Range</b> 802.11a interface: 5.15GHz~5.825GHz. 802.11b/g interface: 2.4~2.4935 GHz (subject to local regulations)	<b>Humidity</b> Operating: 10% to 85%, Non-Condensing Storage: 5% to 90% Non-Condensing
<b>Number of Channels</b> USA, Canada and Taiwan - 11 Most European Countries - 13 France - 4      Japan - 14	
<b>Roaming</b> Seamless roaming among 802.11a/b/g compliant access points	<b>Network Protocol</b> TCP/IP, IPX, NDIS4, and NDIS5 ,NDIS 5.1
<b>Data Rate</b> 802.11a interface: 54, 48, 36, 24, 18, 12, 9,6 Mbps 802.11b/g interface: 11, 5.5, 2, 1Mbps	<b>Standards</b> IEEE 802.11b standard IEEE 802.11g standard IEEE 802.11a standard
<b>Security</b> 64/128 /152 bits WEP, AES, and WPA (TKIP, 802.1x)	<b>LED Indicators</b> Power Indicator Network Link Indicator
<b>Modulation</b> 802.11a/g: OFDM 802.11b: CCK (11 Mbps, 5.5 Mbps) DQPSK (2 Mbps) DBPSK (1 Mbps)	<b>Dimensions</b> 120 x 54 x 8 mm
<b>Transmit Power</b> 802.11b: 17 ± 1dBm (typical) 802.11g: 17 ± 1dBm (typical)	<b>Unit Weight</b> 40 g