

WL-530AG

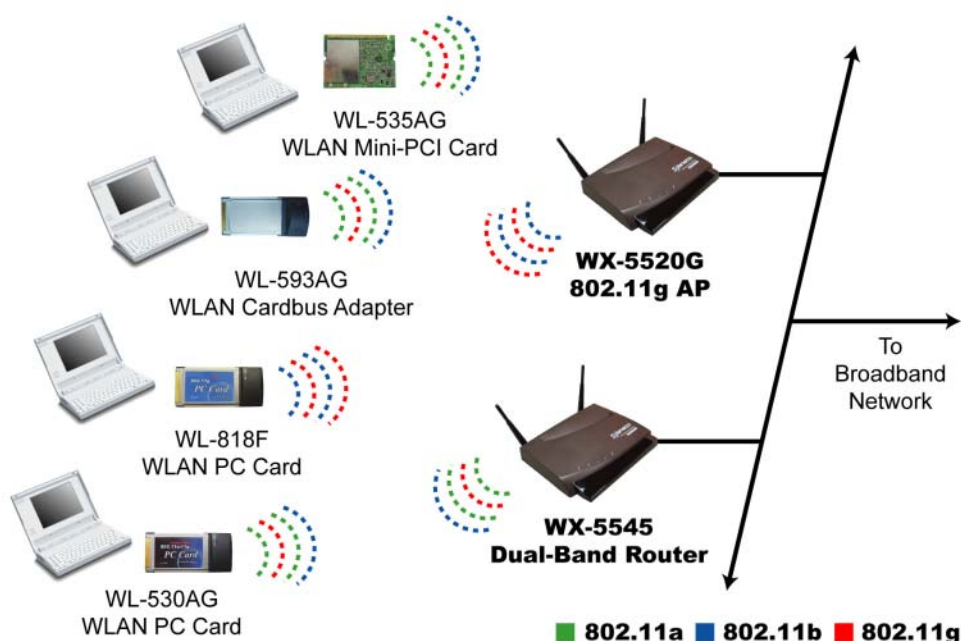
54 Mbps/ 11Mbps Wireless LAN PC Card



Gemtek WL-530AG is a 32-bit wireless cardbus capable of transfer rates of up to 54Mbps. Its dual band feature allows you to roam seamlessly in 802.11a, 802.11b, and 802.11g (draft) network. With this PC card, you can connect to a wireless network over standard 32-bit cardbus architecture for optimal performance capability.

- **Fully compliant with Wi-Fi, 802.11a and 802.11b Client Devices**
- **Delivering the fastest possible data rate defined by the proposed 802.11g draft specification**
- **Seamless roaming among 802.11a/b/g compliant access point**
- **Support 802.1x enhanced security standard WEP, up to 128-bit WEP data encryption**
- **Easy to install and use, WL-530 gives you the utmost convenience to connect to wireless network**

WL-530AG is Wi-Fi compatible. It gives you the interoperability with 802.11a, 802.11b, and 802.11g wireless routers, access point and adapters. It can connect to either 2.4Ghz (802.11b or draft 802.11g) or 5Ghz (802.11a) networks without changing adapters. It has easy-to-use interface and friendly setup wizard with driver support for Windows 98SE/ME/2000/XP. You can easily connect wirelessly at home, at office, and at public hot spots. WL-530AG also features up to 128-bit WEP encryption, ensuring the security of your data transfer. You can choose a 64-bit key or a 128-bit key to meet the need of your application.



General Specifications

Product Name	Modulation
54 Mbps/ 11Mbps Wireless LAN PC Card	64 QAM, 16 QAM, CCK,QPSK, BPSK
Model Number	Transmit Power
WL-530AG	802.11b: typical 16.5dBm at 1~11Mbps
Spreading	Receive Sensitivity
802.11a, 802.11g: OFDM	802.11a
802.11b: DSSS	- 6Mbps 10-5 BER at -87dBm
Frequency Range	- 9Mbps 10-5 BER at -85dBm
802.11a: 5.15GHz to 5.35GHz *	- 12Mbps 10-5 BER at -84dBm
802.11b: ISM band 2.4 ~ 2.4835GHz *	- 18Mbps 10-5 BER at -82dBm
802.11g: ISM band 2.4 ~ 2.4835GHz *	- 24Mbps 10-5 BER at -78dBm
Number of Channels	- 36Mbps 10-5 BER at -75dBm
802.11a: subject to local regulations	- 48Mbps 10-5 BER at -69dBm
802.11b: USA, Canada and Taiwan – 11	- 54Mbps 10-5 BER at -68dBm
Most European Countries – 13	802.11b
France – 4 Japan – 14	Typical 85 dBm at 11Mbps
802.11g: USA and Canada – 11	802.11g
Most European countries – 13	- 6Mbps 10-5 BER at -87dBm
Japan – 14	- 9Mbps 10-5 BER at -85dBm
Data Rate	- 12Mbps 10-5 BER at -84dBm
802.11a, 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps	- 18Mbps 10-5 BER at -82dBm
802.11b: 11, 5.5, 2, 1 Mbps	- 24Mbps 10-5 BER at -78dBm
Security	- 36Mbps 10-5 BER at -75dBm
64/128-bit WEP Encryption	- 48Mbps 10-5 BER at -69dBm
Network Protocol	- 54Mbps 10-5 BER at -68dBm
TCP/IP, IPX, NDIS4, and NDIS5 ,NDIS 5.1	Antenna
Standards	Internal Dual band antenna, Diversity: TBD
802.3, 802.3u, 802.11a, 802.11b, 802.11g draft standard, Wi-Fi compliant	Humidity
LED Indicators	10%~85%(operating), 5%~90% (storing)
Activity, Network link	Temperature Range
Operating Voltage	0~60°C(operating), -20~80°C (storing)
3.3V±5%	

*: subject to local regulations