GW-NS54GMZ

IEEE 802.11g Wireless LAN Cardbus

The GW-NS54GMZ, a CardBus-type 54Mbps Wireless LAN Adapter fully complies with IEEE802.11g standard. The product supports 64bit/128bit WEP encryption, as well as the latest wireless security standard - WPA (Wi-Fi Protected Access) , WPA2 , 802.1x , thus enables the implementation of a truly secure wireless LAN environment.

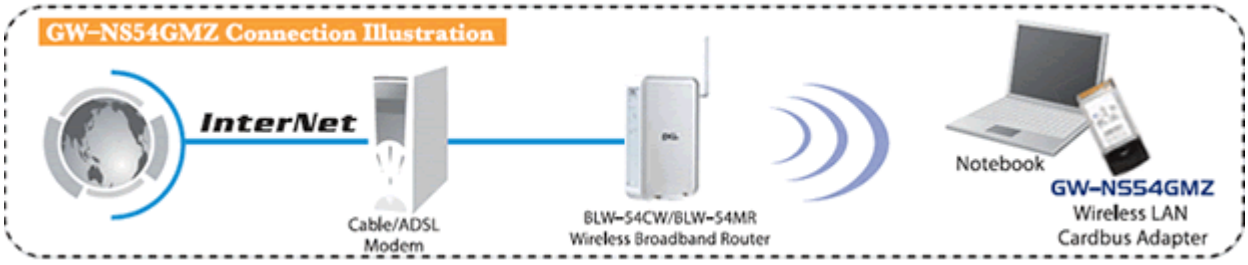
Features

Windows 98SE | Windows Me | Windows 2000 | Windows XP | Wi Fi CERTIFIED

IEEE802.1x | WEP | WPA | WPA2 | Windows Vista | RoHS

- **Support Auto Link and Booster mode function**
  The GW-NS54GMZ supports auto link, it could be easy setup with the wireless security WPA , WPA2 , 802.1x and also supports booster mode. Which could promote the throughput of wireless data Transmission.
- **Intercommunication with existing wireless LAN**
  The product is capable of intercommunicating with products supporting IEEE802.11b, the most widely used wireless LAN standard today. The LAN adapter enables easy upgrade to faster data communication environment while allowing its user to fully utilize the existing wireless LAN system.
- **Wi-Fi certified**
  The GW-NS54GMZ is Wi-Fi certified in the IEEE802.11g data transfer mode. The Wi-Fi certification serves as a guarantee of interoperability between wireless devices from different vendors.
- **Supports outdoor usage**
  The product can be used outdoors as it utilizes the 2.4GHz frequency range. Furthermore, it requires no licensing application as the adapter complies with ARIB STD-T66 (Low Power Data Communication System standard)
- **Highly sensitive Diversity Antenna**
  The integrated diversity antenna maintains high quality data transfer during wireless communication.
- **Supports Roaming**
  The product supports Roaming, an advanced technology which automatically selects (and connects to) the most appropriate access point while the user remains online and moves between multiple AP's. This way, the adapter achieves a seamless wireless LAN environment.
- **Supports multiple communication modes**
  In addition to Ad Hoc mode (802.11 Ad Hoc) for direct wireless communication between wireless devices, the product supports Infrastructure mode in which wireless communication is performed via access points (AP).
- **Robust security features**
  The product utilizes 64/128bit WEP (Wired Equivalent Privacy) to encrypt communication data, making it impossible to decipher should someone intercept the data by any chance.

Connection Sample



Specification

Model Number	**GW-NS54GMZ**
Chipset	Marvell 88W8335
RF Chip	Marvell 88W8010
Bus Type	CardBus
Data Rates	54, 48, 36, 24, 18, 12, 9, and 6 Mbps (802.11g)
	11, 5.5, 2, 1 Mbps (802.11b)
Frequency Band	2.412GHz-2.4835GHz
Wireless Medium	DSSS and OFDM
Media Access Protocol	CSMA/CA
Operating Channels	1-14(FCC:1-11 ; ETSI:1-13 ; Japan:1-14)
Operating Range	· Indoors: Up to 328 ft (100 meters) · Outdoors: Up to 1312 ft (400 meters)
Wireless Medium	DSSS (Direct Sequence Spread Spectrum)
Media Access Protocol	CSMA/CA
Transmit Power	802.11g: 1 4±2 dBm
Security	64/128-bit WEP WPA-Wi-Fi Protected Access , WPA2 , 802.1x
Standards Conformance	WPA certified, IEEE 802.11g, IEEE 802.11b
EMI	FCC, CE, DGT, TELEC, VCCI
Environmental Range	Operating temperature:0 o to 40 o C (32 o to 104 o F)
	Operating humidity:0 to 90% non-condensing
System Requirements	Notebook PC must be running Windows 98SE/ME/XP/ 2000