

GW-US54SG

2.4 GHz IEEE802.11g 108Mbps Wireless LAN USB Adapter

GW-US54SG complied with IEEE 802.11b and 802.11g standards at 2.4~2.5GHz band, and it can be used to provide up to 11Mbps for IEEE 802.11b, and up to 54Mbps/108Mbps for IEEE 802.11g to connect your wireless LAN .With seamless roaming, fully interoperability and advanced security with WEP standard, 802.11b/g USB adapter offers absolute interoperability with different brand of 802.11b or 802.11b/g Access Points through the wireless LAN.



Features



Windows 2000

Windows XP

Vista

WPA

WEP

- Compatible with IEEE 802.11b high rate standard to provide wireless 11Mbps data rate
- Compatible with IEEE 802.11g higher speed standard to provide wireless 54Mbps data rate, and the turbo mode of 108Mbps
- Supports infrastructure networks via Access Point and ad-hoc network via peer-to-peer communication
- Supports WPA and AES enhanced security
- USB Plug & Play
- Low power consumption

Connection Sample



Specification

Model Number	GW-US54SG
Standard	IEEE 802.11b, IEEE 802.11g
Host Interface	USB 2.0
Antenna Connector	Built-in antenna
Frequency Range	2.412GHz ~ 2.4835GHz
Number of Selectable Channels	USA , Canada : 11 channels Europe : 13 channels Japan : 14 channels
Power Requirement	802.11g:TX 400mA (Max), RX 300mA, Standby 30mA 802.11b:TX 350mA (Max), RX 250mA, Standby 30mA
Modulation Technique	IEEE 802.11g: OFDM (BPSK, QPSK, 16-QAM, 64QAM) IEEE 802.11b: DSSS (DBPSK, DQPSK, CCK)
Security	64/128 bit WEP; WPA-PSK; WPA
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Data Rate	11b:11/5.5/2/1Mbps Auto-Detection 11g:54 /48/36/24/18/12/9/6 Auto-Detection The turbo mode of 108Mbps
Sensitivity	108Mbps: Typical - 68dBm(g) @ 10% PER 54Mbps: Typical - 72dBm(g) @ 10% PER 11Mbps: Typical - 86dBm @ 8% PER
Range Coverage	Indoor: Up to 100 meters (depends on environment) Outdoor: Up to 400 meters (depends on environment)
Operation Temperature	0 °C ~ 40 °C
Storage Temperature	-10 °C ~ 65 °C
Support OS	WinXP/2000
EMI	CE, FCC, DGT, TELEC
Dimension	90(L) x 33(W) x8(H) mm

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