

GW-NS300N

Draft 2.0 IEEE802.11n Wireless CardBus Adapter

GW-NS300N is backward compatible with 802.11b and 802.11g standards. It uses the powerful MIMO technology which has further coverage, less dead spots and higher throughput. When GW-NS300N is connecting to the standard 802.11b or 802.11g APs or routers, it can perform much better than other standard stations. It also supports WMM, WMM-PS and WMM-SA (IEEE802.11e QoS standard).



In addition, GW-NS300N supports higher data throughput than the IEEE802.11g standard (up to 300Mbps).

The best thing is that GW-NS300N has an innovative built-in WPS (Wi-Fi Protected Setup) function which can build a connection between an AP and synchronize the encryption settings.

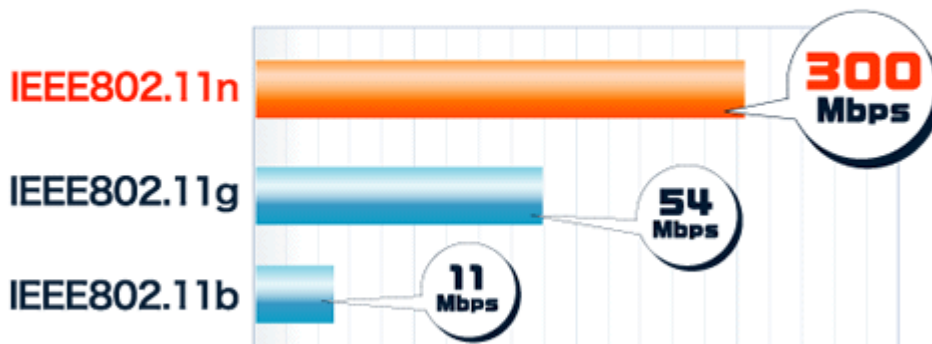
Features




- Comply with 802.11n first draft, IEEE 802.11b and IEEE 802.11g standards.
- Wide coverage, reduce blind spot and higher through put with MIMO technology
- Support 32bit CardBus interface
- Support WMM, WMM-PS and WMM-SA (IEEE802.11e QoS standard)
- Supports 64/128-bit WEP, WPA · WPA-TKIP, WPA2 · WPA2-AES
- Support Software AP “No forwarding among wireless clients” , although the clients card connecting with the same AP, they cannot transmit information to each other. This function provides more security for the clients.
Note: Software AP is only enabled in WinXP/2003
- Support WPS (Wi-Fi protected setup), You just need push button that can easy to setup wireless Internet and security setting
Note: Only support Windows XP/2000

Connection Sample

IEEE802.11n is designed to maximize performance of wireless.



※ Data shown in the diagram is a comparison table in theoretical form, actual performance may vary.

● GW-NS300N Application



※ In a IEEE802.11n network, a compatible wireless device is required for the connection.

Specification

Model Number	GW-NS300N
International Standard	IEEE 802.11b/g/n (first draft)
Antenna	Internal Antennas
Frequency Range	2.412GHz-2.472GHz
Number of Channels	USA , Canada : 11 channels Europe : 13 channels Japan : 14 channels
Modulation Method	11b: CCK, 11g: OFDM, Draft 11n: OFDM
Data Rate	802.11b(11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps) 802.11g(54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps) Draft 802.11n(Max 300Mbps)
Transmit Power	11b: 16~18dBm, 11g: 14~16dBm, Draft 11n: 11~13dBm
Receiver Sensitivity	11b: -80dBm, 11g: -70dBm, Draft 11n: -70dBm
Operation Temperature	0 ~ 55 °C
Operation Humidity	35% ~ 95% maximum
Dimension	54(W) x 5(H) x 115(D)mm
Weight	42g
EMI	CE, FCC,NCC, TELEC