

GW-NS11X 11Mbps Wireless LAN Adapter Card



Feature

The GW-NS11X is an IEEE802.11b compliant wireless LAN adapter. The product utilizes Realtek chipset to achieve dramatic cost reduction and lower power consumption.

■ Fast data access via CardBus

The product supports CardBus, a PCMCIA card (PC card) interface standard that utilizes 32bit data transfer. The on-board CardBus interface enables much faster data communication compared with conventional PC card products.

■ The latest chip reduces power consumption as well as product cost

The product utilizes Realtek chip as its communication chip to achieve much lower product cost and power consumption compared with the product's predecessors in our product lineup. The adapter's maximum power consumption at 3.3V (CardBus drive voltage) is approximately 1.48W.

■ Wi-Fi certified

The GW-NS11X is Wi-Fi certified. Wi-Fi certification guarantees wireless compatibility between Wi-Fi certified products from different vendors.

■ Supplied with an exclusive utility that eases wireless configuration

The exclusive utility bundled with the GW-NS11X allows its user to easily modify and configure the parameters for wireless communication. For instance, the Site Survey function of the utility automatically searches for wireless devices in the product's effective wireless communication area (range) and lists their ESS-ID's, wireless channels, as well as signal status information, etc.

■ Noise-resistant DS-SS (Direct Sequence Spread Spectrum) technology

The product utilizes DS-SS as its wireless communication mode to enable noise-resistant, fast and highly reliable data transfer. Furthermore, its diversity antenna system enables high-quality data communication by automatically selecting one of the two built-in antennae that best matches the current communication status.

■ Reliable security feature

The product utilizes WEP (Wired Equivalent Privacy) to encrypt communication data, making it impossible to

decipher should someone intercept the data by any chance. The GW-NS11X supports 64bit/128bit WEP to provide a highly secure wireless communication environment.

* Sp also supports the most recent security standard WPA(Wi-Fi Protected Access)proposed by the Wi-Fi Alliance

■ Supports Ad Hoc and Infrastructure modes

The product supports 1)Ad Hoc (peer-to-peer) mode for communications between wireless LAN clients as well as 2)Infrastructure mode for communications to wired networks via Access Points.

■ 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 enables the user to implement a truly seamless wireless LAN environment.

► Specification

Product Model Number	GW-NS11X
Interface	CardBus (Type II)
Standards Conformance	IEEE802.11/802.11b,ARIB(Japan) /FCC(North America) /ETSI (Europe)
Frequency Range	2400-2497MHz(Japan Band)2400-2483.5(North America, Europe Band)2455-2475MHz(Spand Band) 2446.5-2483.5MHz(France Band)
# of Channels	14(Japan) 13(Europe) 11(North America)
Access Mode	Ad Hoc Mode/ Infrastructure Mode/ Roaming
Data Transfer Rate	11/5.5/2/1Mbps Auto Detection
Communication Range	Indoor: 50 to 80m, Outdoor: 200 to 300m *May vary with actual environmental conditions
Antenna Type	Diversity Antenna
Data Transfer Mode	Direct Sequence Spectrum Spread (DS-SS)
Modulation Type	CCK:11Mbps, 5.5Mbps DQPSK:2Mbps DBPSK:1Mbps
LED Indicators	Link, Power
Security Features	MAC address filtering, WEP(64bit/128bit)
Configuration Interface	Exclusive utility software
Supported Platforms	IBM PC/AT compatible equipped with a PC card slot supporting CardBus

Supported OSes	Windows 98/98SE/Me/2000/XP
Operating Voltage	3.3V
Power Consumption	1.48W
Dimensions	54(W) x 7.5(H) x 115(D)mm *Includes the antenna
Weight	45g
Operating Temperature	0 to 50 degrees Celsius
Operating Humidity	35 to 85% (non-condensing)
EMI	CE, FCC Class B, VCCI Class B
Package Contents	GW-NS11X, warranty card, startup guide, user's manual/driver/utility CD-ROM

Since no cabling is required to set up a wireless LAN, virtually anyone can establish and start using a wireless LAN with ease. However, data communication between two nodes may fail or slow down significantly if they are separated by any of the following materials (see below). To ensure stable data communication, it is strongly recommended to remove these objects or environmental factors from the installation site.

Materials	Negative Impact on Communication Range (*1)	Examples
Air	*	-
Wooden	**	Wooden Partition
Plaster	**	Partition walls
Synthetic Materials	**	Partitioning parts in plywood boards
Asbestos	**	Ceilings
Glass	**	Window panes, glass wall plates
Water	***	Damp wooden materials
Bricks	***	Brick walls
Marble	****	Marble walls
Cement/Concrete	****	Floors, walls
Bulletproof Glass	****	Walls/ window panes used in watch box
Iron/Steel	*****	Iron partition materials, reinforced concrete walls

*1 The more asterisks, the shorter the communication range

Product View

