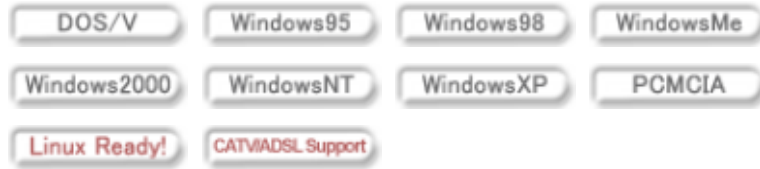




11Mbps Wireless LAN PCMCIA Card with built-in Antenna **GW-NS110PX**



Feature

■ High-Speed 11Mbps Wireless Data Communications

The Geo Wave PCMCIA Card enables high-speed data communications at 11Mbps, a speed rivaling traditional wired LAN's. Fully compliant with the industry standard IEEE802.11b, the GW-NS110PX retains full compatibility with other products supporting this standard. The PCMCIA card also supports interactive communications with Apple Computer's AirMac series computers.

■ Supports Ad Hoc Networking: a Low-Cost Wireless Network Solution

The GW-NS110PX supports Ad Hoc networking in which you can establish a wireless LAN without using a relatively more expensive access point. Since all you need is a wireless LAN interface per node (PC), the total cost of setting up a network is reduced to a minimum. The GW-NS110PX also supports the infrastructure mode communication with the GW-AP110 Access Point.

■ Employs the Noise-Resistant DS-SS Technology and a Diversity Antenna

Employing DS-SS (Direct Sequence Spread Spectrum) as data transfer mode and equipped with a diversity antenna that contains two internal antennas, the GW-NS110PX enables noise resistant high-speed data transfers.

■ Built-in Antenna

As an antenna-PC Card hybrid, the GW-NS110PX is highly cost-effective and is far superior in durability than similar PC-Card products for notebooks.

* If communication conditions are bad, it is recommended to use the GW-NS110, the previous iteration with a removable external antenna.

■ The Multi-channel Design Improves Communication Efficiency

One workgroup can be assigned to a channel, and up to fourteen channels can be used at any time. This feature greatly reduces the volume of network traffic.

■ Supports Roaming

The wireless LAN adapter supports Roaming, an advanced technology which automatically switches (and connects) to a different access point while the user carries a wireless terminal (PC, etc). This feature provides a truly seamless wireless LAN environment.

Specifications

Model Name	PCMCIA Interface Card	
	GW-NS110PX	
Interface	PCMCIA Rev2.1	
Standard Conformance	ARIB(Japan) /FCC(North America) /ETSI (Europe) (Power-Saving Data Communication System)	
	IEEE802.11b(11Mbps Wireless LAN Standard)	
Frequency Range	2400-2497MHz(Japan Band) 2400-2483.5(North America, Europe Band) 2455-2475MHz(Spand Band) 2446.5-2483.5MHz(France Band)	
Channels	14(Japan) 13(Europe) 11(North America)	
Data Transfer Mode	Direct Sequence Spread Spectrum (DS-SS), simplex operation	
Data Transfer Speed	1/2/5.5/11Mbps auto-detection/ fixed	
Communication Range	1/2Mbps:240m, 5.5Mbps:90m, 11Mbps:50m (indoor usage, line-of-sight distances) *May vary with different environmental conditions	
Antenna Type	Diversity Antenna (removable)	
Antenna Sensitivity	- 83dBm	
Modulation Schemes	CCK (11Mbps ,5.5Mbps) DQPSK (2Mbps) DBPSK (1Mbps)	
LED Indicator	Power ,Act	
Security Features	ESS-ID,WEP	
Configuration	Proprietary software	
Supported OS	Windows 95/98/Me,Windows NT 4.0,Windows 2000,WindowsXP * Scheduled to support Linux	
Supported Computers	IBM PC/AT compatibles	
Power Spec.	Operating Voltage	5V
	Power Consumption	70mA
Dimensions	85.6(W) x 9(H) x 54(D)mm (card portion only: antenna length = 27mm)	

Weight	35g
Operating Temperatures	0 - 65degrees Celsius
Operating Humidities	10 - 90% (non-condensing)
EMI	FCC Part 15 Class B
Accessories	GW-NS110PX ,Driver Diskette ,User's Manual

Everybody can easily use our wireless LAN products because wiring / construction work is not required. But its communication range may vary with different environmental conditions. The obstacle may cause low transfer rate or communication failure.

The chart shows the level of obstruction. Please avoid these environmental factor as much as possible to do stable communication

Material of obstacle	Influence upon Transfer Distance (The large number means that it is more obstructive material.)	Specific Example
Air	X	-
Wooden	XX	Wooden Partition
Gypsum	XX	Partition wall
Composite Material	XX	Plywood Partition
Asbestos	XX	Ceiling
Glass	XX	Windowpane, Wall
Water	XXX	Wet Wood
Brick	XXX	Wall
Marble	XXXX	Wall
Cement Concrete	XXXX	Floor, Wall
Bulletproof Glass	XXXX	Sentinel Cabin
Iron	XXXXX	Partition, Reinforced Concrete Wall

