



Feature

The GW-DS11C is an IEEE802.11/802.11b compliant LAN adapter for PCI bus. The external antennas supplied with the adapter improve its radio reception sensitivity.

■ Supplied with two external antennas for greater reception sensitivity

The GW-DS11c comes with two external antennas, namely i) a sensitive dipole antenna that directly attaches to the adapter and ii) a movable antenna with a 90cm cable for desktop installation. Should a PC equipped with the GW-DS11C be located near a wall or in an environment with obstructions to wireless communication, its reception sensitivity can be improved by placing the movable desktop antenna to a site where the radio field intensity is maximum. The movable antenna itself adds more flexibility in selecting the best location for the PC in your room or office.

■ Supplied with a low profile bracket

The product comes with a low profile bracket for small footprint PCs, allowing the user to simply replace the adapter's bracket with the one that matches the computer's PCI bus type (low profile/standard).

■ Wi-Fi certified

The GW-DS11C is a Wi-Fi certified product. (The Wi-Fi certification serves as a guarantee of interoperability between wireless devices from different vendors.)

■ Noise-Resistant DS-SS Technology

The adapter utilizes Direct Sequence Spread Spectrum (DS-SS) as its wireless communication method to enable noise-resistant, fast and highly reliable data transfer.

■ Robust Security Features

The product utilizes WEP (Wired Equivalent Privacy) to encrypt communication data, making it impossible to decipher should someone intercept the data by any chance.

■ Supports multiple communication modes

In addition to Ad Hoc mode for direct wireless communication between wireless devices, the product supports Infrastructure mode in which wireless communication is performed via access points (AP).

■ The supplied utility eases configuration of wireless parameters

The GW-DS11C comes with a configuration utility dedicated to the product that allows easy configuration of the wireless communication parameters for the adapter..

Specifications

Model Name	GW-DS11C
Interface	PCI bus Rev 2.2
Standards Conformance	ARIB(Japan) /FCC(North America) /ETSI (Europe)
	IEEE802.11/802.11b
Frequency Range	2400-2497MHz(Japan Band) 2400-2483.5(North America, Europe Band) 2455-2475MHz(Spand Band) 2446.5-2483.5MHz(France Band)
Number of Channels	14(Japan) 13(Europe) 11(North America)
Data Transfer Mode	Direct Sequence Spread Spectrum (DS-SS)
Access Methods	Ad Hoc Mode/Infrastructure/ Mode/ Roaming
Data Transfer Rate	11/5.5/2/1Mbps auto detection
Communication Range	11Mbps:35m, 5.5/2/1Mbps: 100m(indoor line-of-sight distance) *May vary with different environmental conditions
Antenna Type(s)	Dipole antenna, external antenna
Modulation Type(s)	CCK:11Mbps, 5.5Mbps DQPSK:2Mbps, DBPSK:1Mbps
LED Indicators	Link, Act
Security	ESS-ID, 64bit/128bit WEP
Configuration Interface	Configuration utility dedicated to the product
Supported Platforms	IBM PC/AT compatible with a PCI bus (supports both normal size- and low profile brackets)
Supported OSes	Windows 98/98SE/Me/2000/XP
Supported Voltage	5V DC
Power Consumption	1.48W max.
Dimensions	46(W) x 119(L)mm
Weight	50g
Operating Temperature	0 - 55 degrees Celsius
Operating Humidity	35 to 80% (non-condensing)

EMI	CE, FCC Class B, VCCI Class B
Warranty Period	One year
Package Contents	GW-DS11C, User's Manual, dipole antenna, desktop antenna (cable length: 94cm), low profile bracket, 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 Comm. 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 lookouts
Iron/ Steel	*****	Iron partition materials, reinforced concrete walls

*1 The more asterisks, the shorter the communication range

▼ Product view

