

GW-AP11SP 11Mbps Wireless LAN 2WAY Access Point



▶ Feature

The GW-AP11SP is equipped with two LAN ports and supports Access Point mode, Wireless LAN Converter mode as well as communication between up to nine access points (GW-AP11SP) to enable the construction of highly flexible wireless LAN environment.

■ Two On-Board LAN Ports

While typical wireless LAN access points are equipped with just one LAN port, the GW-AP11SP provides two LAN ports to enable flexible construction of a network. Even if one of the LAN ports is already used by an ADSL model with a built-in router, for instance, a wireless LAN as well as a wired LAN client can still be attached to the product.

■ WDS(Wireless Distribution System) Compliant AP-to-AP Communication

The product supports AP-to-AP communication in which wireless communication between access points interconnects multiple remote LAN's. (Up to nine units may be connected.)

*Only the GW-AP11SP is supported in AP-to-AP communication above.

■ Wireless LAN Converter (Wireless LAN Ethernet Adapter)

Wireless LAN converter function converts a wired (fixed-line) LAN port to a wireless LAN. Using this function, you can add clients to a wireless LAN without using PC card slots, USB ports or PCI bus. Furthermore, this function can add wireless connectivity to video game machines or digital home appliances that are equipped with a LAN port.

*This function is disabled when the product is used as a wireless LAN access point.

■ Wi-Fi certified

The GW-AP11SP is Wi-Fi certified in the IEEE802.11g data transfer mode. The Wi-Fi certification serves as a guarantee of interoperability between wireless devices from different vendors.

■ Robust Security Functions

The product supports 64bit/128bit WEP as well as MAC address filtering, and is capable of hiding ESS-ID to make itself

invisible to outside wireless LAN devices. In this manner, the access point blocks unauthorized access from the WAN side. Furthermore, the product supports the latest wireless security standard "WPA (Wi-Fi Protected Access)" to enable the construction of a highly secure wireless LAN environment.

*All the wireless clients and client OSes must support WPA for the technology to work.

■ **Transmission Power Level Limit**

You can limit the radio output power level to four levels. This function can be used to both reduce radio interference in an environment that contains multiple access points and send wireless data only to areas requiring the data.

■ **Configurable Client Number**

Maintaining optimal data speed and stability becomes difficult with an increasing number of clients. This function allows you to limit the number of clients who can access the product simultaneously to enable more stable data connection.

■ **Multi-Channel**

The access point supports 14 channels. By configuring each access point so that there is no overlapping frequency range, you can distribute wireless traffic (to lower traffic load) and even avoid radio interference between adjacent groups system. This way, networking load can be reduced to improve the overall data transfer speed.

■ **Roaming (IAPP supported)**

The access point supports Roaming, a function used to automatically switch to the appropriate access point while the wireless terminal moves. Wireless LAN terminals supporting this function can move freely while remaining online and without experiencing disconnection or re-configuration/connection that tends to accompany any roaming wireless client.

■ **Supports SNMP**

The product supports SNMP, a protocol used to establish a network management system for TCP/IP networks. SNMP simplifies various network management tasks even in wireless/wired mixed LAN environments.

■ **Web-Based Configuration**

The parameters of wireless LAN can be configured via a standard Web browser. Its easy-to-use graphical interface allows even a beginner to set up wireless LAN parameters with ease.

The antenna can be exchanged



Display in both upright or flatbed position



Specifications

Model Number		GW-AP11SP
Wireless	Standards Conformance	IEEE802.11b,ARIB STD-33/STD-T66
	Data Transfer Method	DS-SS (Direct Sequence Spread Spectrum)
	Frequency Range	2.412 to 2.484GHz
	# of Channels	1 to 14ch
	Modulation Methods	DBPSK,DQPSK,CCK
	Communication Range	11Mbps/60m, 5.5Mbps/100m, 2Mbps/140m, 1Mbps/180m * Line-of-sight distance * Certain environmental factors may reduce the effective range.
	Data Transfer Rate	11/5.5/2/1Mbps. Auto-Detection
	Communication Modes	Infrastructure Mode, Ad-Hoc Mode
	Roaming	Supported (IAPP ready)
	Security Features	64/128bit WEP MAC address filtering ESS-ID stealth WPA (authentication:802.1x/EAP-MD5 TLS,PSK)(Encryption Protocol: TKIP) *1
	Configurable Client Number	Supported (1 to 64)
	Configurable radio output power level	Supported (4 levels)
	Antenna Type	Dipole Antenna
Wired	Standards Conformance	IEEE802.3(10BASE-T), IEEE802.3u(100BASE-TX)
	Number of Ports	10/100M x 2 ports (RJ-45. UTP/STP) Auto MDI/MDI-X
LED Indicators		Power, ErrStatus, Link/Act, WEP, MAC Ctrl, Bridge, LAN1, LAN2
Supported Platforms		IBM PC compatible computers
Supported OSes		Windows98SE/Me/XP/Windows2000
SNMP		SNMP v1/v2
Configuration Interface		WEB browser
Operating Temperature		0 to 40 degrees Celsius

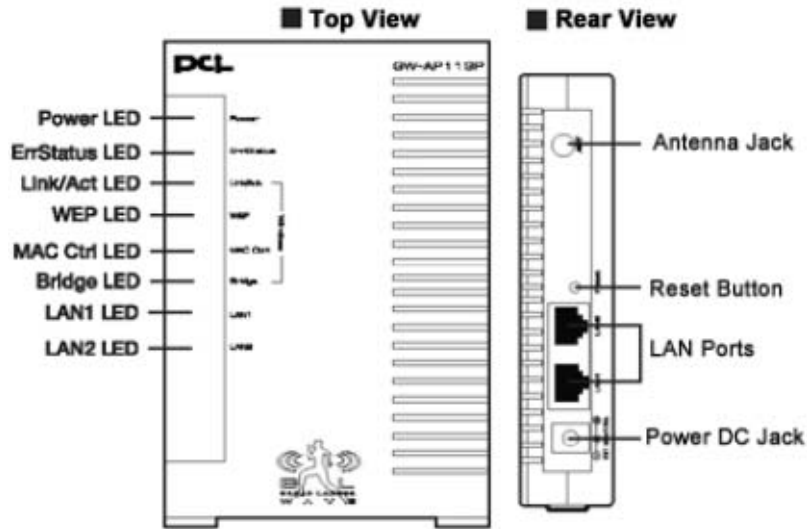
Operating Humidity	35 to 80% (non-condensing)
EMI	CE, FCC Class B, VCCI Class B
Dimensions (W x H x D)	90(W) x 134(H) x 29(D)mm
Weight	150g
Power Consumption	3.3W max.
Working Voltage	DC9V/700mA
Warranty Period	1 year
Package Contents	GW-AP11SP, 1m UTP straight-through LAN cable, AC power adapter (short cord), User's Manual

*1 All wireless clients and client OSes must support WPA for the technology to function.

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	*	-
Wood	**	Wooden partitioning parts
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

Product View



Connection Sample



Wireless LAN enables comfortable networking

You can freely change your office layout as the product eliminates all the cumbersome cabling needs. Also ideal for use at home.

