

## GW-US54S IEEE802.11g Wireless LAN Rotational USB Adapter



### ▶ Feature

As PLANEX GW-US54S is an interoperable and compatible with all of the IEEE 802.11g compliant device (backward compatible with IEEE 802.11b), it offers the freedom to establish the ideal wireless local area network in your office/home and access to real-time information anywhere. The mobility provides effectiveness and efficiency which is not available under wired networks. The GW-US54S can be switched easily between peer-to-peer networks for a small number of users and full infrastructure network of thousands of users that allow roaming around a large area.

- 54Mbps high speed transfer rate
- Backward compatible with 802.11b
- Up to 5x faster than 802.11b WLAN
- Roaming support
- Support WPA, WEP-64/128 About WPA
- USB 2.0 Compliant
- with Detachable Stand
- Wi-Fi certified
- Arrange Multi-Directionals for the best wireless reception

## Specification

<b>Product Model Number</b>	<b>GW-US54S</b>
<b>Frequency range</b>	U-NII:2.412 to 2.484Ghz Europe: 2.412 to 2.484Ghz Japan: 2.471 to 2.497Ghz
<b>Modulation technique</b>	802.11b: DSSS (CCK, BPSK, QPSK) 802.11g: OFDM
<b>Host interface</b>	USB 2.0
<b>Channels support</b>	US/Canada: 11 (1 to 11) Major European country: 13 (1 to 13) France: 4 (10 to 13)
<b>Operation voltage</b>	5V +/- 10%
<b>Current consumption</b>	Transmission mode 467mA @ 5VDC(Ave) Receive mode 506mA @ 5VDC(Ave) standby mode 384 mA @5VDC(Ave)
<b>Output power( preliminary)</b>	13 dBm@ 802.11g mode 18 dBm@ 802.11b mode
<b>Operation distance ( preliminary)</b>	Indoor: 0-80m Outdoor: 50-350m
<b>Operation System supported</b>	Windows-98SE, Me, 2K, XP
<b>Dimension</b>	72mm ( L) x 49mm(W) x 13mm(H)
<b>Security</b>	64-bit WEP, 128-bit WEP WPA
<b>Operation mode</b>	Infrastructure & Ad-hoc mode
<b>Transfer data rate</b>	802.11g:54, 48, 36, 24, 18, 12, 9, 6Mbps, auto-fallback 802.11b:11, 5.5, 2, 1Mbps, auto-fallback
<b>LED indicator</b>	WLAN activity indicator
<b>Operation temperature</b>	0 to 55 degrees Celsius
<b>Storage temperature</b>	-25 to 70 degrees Celsius
<b>Wi-Fi</b>	WiFi AllianceCompliant

<b>Package Contents</b>	<p>One GW-US54G</p> <p>One CD-ROM( Driver / Utility / Manual )</p> <p>One Quick Installation Guide</p> <p>One USB Extended Cable</p> <p>One Detachable Stand</p> <p>One Warranty Card</p>
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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

\*1 The more asterisks, the shorter the communication range