PLANET
Networking & Communication

WL-3563

802.11g Wireless LAN PC Card

The WL-3563 is an IEEE 802.11g Wireless PCMCIA card that can operate in either Ad-Hoc mode (Point to Point/Point to Multipoint without an Access Point) or Infrastructure mode (Point to Point/Point to Multipoint with an Access Point). IEEE 802.11g uses 2.4GHz frequency band that is the same with IEEE 802.11b, but provides high-speed transfer rate up to 54Mbps that is almost 5 times throughput rate than 802.11b. WL-3563 is also backward compatible with IEEE 802.11b compliant wireless devices. This dual-standard support enhances much more flexibility of deployment and use.

The WL-3563 supports both 64/128-bit WEP (Wired Equivalent Privacy) for securing wireless network connections. The driver and utility support most popular operating systems: Windows 98SE/Me/2000/XP/Server 2003. With advanced features and high performance capability, the WL-3563 is an excellent choice for constructing a wide range of wireless solutions.

►► KEY FEATURE

- ☐ Comply with the IEEE 802.11b/g, 2.4GHz specification
- ☐ Support Ad-Hoc, Infrastructure WLAN network mode
- ☐ Data rate auto fall-back under noisy environment or long range distance
- ☐ Support 64/128-bit WEP (Wired Equivalent Privacy)
- ☐ Site Surveys with profile function
- ☐ Seamless integration with IEEE 802.3 LAN through any IEEE 802.11b or 802.11g compliant Access Point
- ☐ Support most popular operating systems including Windows 98SE/Me/2000/XP/Server 2003
- ☐ Low interference and high susceptibility guarantee reliable performance
- ☐ Plug-and-Play installation

PLANET TECHNOLOGY

Product	802.11g Wireless LAN PC Card
Model	WL-3563
Attached Interface	PC CardBus 32-bit compliant
LED Indicators	POWER, LINK
Operating Frequency / Channel	2.412~2.462GHz (FCC, Canada) / 11 Channels
	2.412~2.472GHz (ETSI, Europe) / 13 Channels
	2.412~2.484GHz (TELEC, Japan) / 14 Channels
Emission type	Direct Sequence Spread Spectrum (DSSS) Technology
RF Modulation	OFDM, CCK, DQPSK, DBPSK
RF Output Power	15dBm
Data Rate	802.11b: 1, 2, 5.5, 11Mbps
	802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
Antenna	Built-in Dipole Antenna
Sensitivity	IEEE802.11b:
	1, 2 Mbps (BPSK, QPSK): - 90 dBm 5.5 Mbps (CCK): - 88 dBm
	11 Mbps (CCK): -85 dBm
	(Typically @PER < 8% packet size 1024 and @25ºC + 5ºC)
	IEE802.11g:
	54Mbps (64QAM): -70dBm 48Mbps (64QAM): -71dBm
	36Mpbs (16QAM): -75dBm 24Mbps (16QAM): -79dBm
	18Mbps (QPSK): -82dBm 12Mbps (QPSK): -84dBm
	9Mbps (BPSK): -85dBm 6Mbps (BPSK): -86dBm
	(Typically @PER < 10% packet size 1024 and @25ºC + 5ºC)
Working Mode	Infrastructure, Ad-Hoc
Power Consumption	TX: 3.3v, 600mA,
	RX: 3.3v, 400mA
	Standby: 3.3v, 30mA
Dimension (mm)	118 x 54 x 5 mm
Humidity	5 ~ 95%, non-condensing (Operating and storage)
Temperature	0 ~ 55 degree C (Operating), -10 ~ 65 degree C (Storage)
Compatibility	Windows 98/Me/2000/XP/Server2003
Management	Utility or Windows XP/Server2003 built-in management interface
Electromagnetic Compatibility	FCC, CE

WL-3563 offers a fast, reliable, and cost-effective solution for wireless client access to the applications of network as follows:

❑ *Remote access to corporate network information*
E-mail, file transfer and terminal emulation.

❑ *Difficult-to-wire environments*
Historical or old buildings, asbestos installations, and open areas where wiring is difficult to be employed.

❑ *Frequently changing environments*
Retailers, manufacturers and banks that frequently rearrange the workplace and change locations.

❑ *Temporary LANs for special projects or peak time*
Trade shows, sports events, exhibitions and construction sites that are required temporary setup for a short period. Retailers, airline and shipping companies need additional workstations for a peak period. Auditors who organize workgroups at customer sites.

❑ *SOHO (Small Office and Home Office) users*
SOHO users who require quick and easy installation of a small computer network.

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