TELETRONICS
INTERNATIONAL, INC.

11Mbps WIRELESS LAN Card

Quick Start Guide

11-136

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Statement of Conditions

We may make improvements or changes in the product described in this documentation at any time. The information regarding to the product in this manual are subject to change without notice.
We assume no responsibility for errors contained herein or for direct, indirect, special, incidental, or consequential damages with the furnishing, performance, or use of this manual or equipment supplied with it, even if the suppliers have been advised of the possibility of such damages.

Electronic Emission Notices

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

FCC INFORMATION

The Federal Communication Commission Radio Frequency Interference Statement includes the following paragraph:
The equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to overcome the interference by one or more of the following measures:
--Reorient or relocate the receiving antenna.
--Increase the separation between the equipment and receiver.
--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
--Consult the dealer or an experienced radio/TV technician for help.
The equipment is for home or office use.

IMPORTANT NOTE

Following RF exposure info shall be supplied in end-users manual depends on the application.
For mobile configuration RF Exposure Information:
To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter

For Laptop Configuration RF Exposure information:
This device has been tested for compliance with FCC RF Exposure (SAR) limits in the typical laptop computer configuration and this device can be used in desktop or laptop computers with side mounted PCMCIA slots. This device cannot be used with handheld PDAs (personal digital assistants).
This device and its antenna must not be co-located or operated in conjunction with any other antenna or transmitter.

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Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
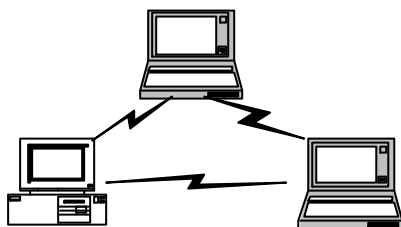
R&TTE Compliance Statement

This equipment complies with all the requirements of the Directive 1999/5/EC of the European parliament and the council of 9 March 1999 on radio equipment and telecommunication terminal Equipment and the mutual recognition of their conformity(R&TTE).

The R&TTE Directive repeals and replaces in the directive 98/13/EEC. As of April 8, 2000.
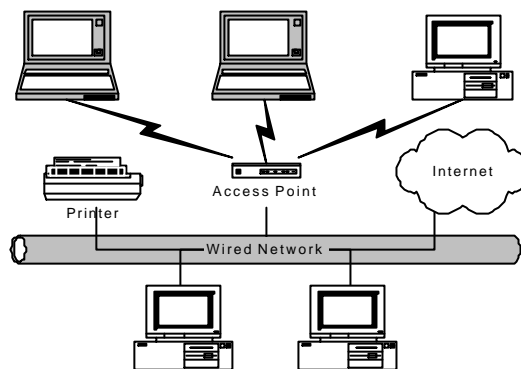
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1. Introductions:

The 11Mbps WIRELESS LAN Card aims to let your computer quickly and seamlessly communicate with 802.11b (at up to 11 Mbps) networks. It allows you to configure the Wireless LAN as both independent networks known as peer-to-peer or ad-hoc network, and infrastructure networks. The former is suitable for small or temporary peer-to-peer networking requirement, and the later is offering fully distributed data connectivity via micro cells and roaming. In addition, the detachable antenna design allows the Card to apply more applications.

Ad-Hoc Network Configuration   Infrastructure Network Configuration

Printer   Access Point   Internet

Wired Network

2. Installation Procedures :

1. Insert the 11Mbps WIRELESS LAN Card to your computer's PCMCIA slot.
2. The **Found New Hardware** message box will appear once the system detected the insertion of the Card. Click **Cancel** to ignore it.
3. Put the supplied CD-ROM into your CD-ROM drive, and the startup window will appear automatically. If it does not, double click the **Autorun.exe** icon in the CD's directory to awake the Setup Wizard manually.
4. In the startup window, click **Install Driver** to start the installation.
5. Click **Next** in the **Welcome to the InterShield Wizard** dialog box to continue. And the system will start to copy the drivers found.
6. Windows XP system will then send out a warning message box. Because the device has been tested to work with Windows system without problem, click **Continue Anyway** to ignore it.
7. On the **Install Finished** screen, click **Finish** to complete the installation. Note that when you are running Win98/98SE/ME, the computer will be restarted automatically after you click the **Finish** button.

Note: *For Win98 users, the system will ask for Win98 CD-ROM after rebooting. Please*

*replace the supplied CD with the required one and click **OK** to proceed.*

8. Then, you shall see the status icon of the Configuration Tool appeared in the system tray, and the installation is entirely finished at the moment. Double-click the icon to launch the **PRISM Wireless Settings** dialog box, in which you may freely arrange your network connection afterwards.

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Appendix: Specifications

Product Name	11Mbps WIRELESS LAN Card
Host Interface	PCMCIA PC Card PRISM 3.0
Dimensions	111.3 x 54 x 5 mm
Weight	36g
Frequency Band	2.400 ~ 2.4835GHz (subject to local regulations)
Number of Channel	11 channels (US, Canada); 13 channels (ETSI); 4 channels (France); 14 channels (Japan)
Operating Voltage	3.3V ± 5% (5V is also available)
Current Consumption	Typ. 280mA, Max. 350mA
Spreading	DSSS (Direct Sequence Spread Spectrum)
Data Rate	11Mbps, 5.5Mbps, 2Mbps, 1Mbps
Transmit Power	22±1 dBm @ Nominal Temp Range
Receive Sensitivity	Nominal Temp Range: 11 Mbps @ -84 dBm, Typical
Modulation	11Mbps and 5.5Mbps CCK; 2Mbps: DQPSK;1Mbps: DBPSK;
Security	64 bit WEP Encryption (Optional: 128 bit)
Antenna	Support External Antenna (MMCX Conn. is optional)
Supplied Driver	Windows 95/98/98SE/2K/ME/NT4.0/XP, Linux.
Standards	IEEE 802.11b, Wi-Fi compliant
Media Access Protocol	CSMA/CA with ACK
Warranty	1 year
Temperature Range	0~55°C (Operating), -20~70°C (Storage)
Humidity	Max. 95% Non-condensing
Operating Range	Open Space: 100 – 300m; Indoor: 30m – 100m The transmission speed varies in the surrounding environment.
Roaming	Full mobility and seamless roaming from cell to cell and across access points
Network Protocol	TCP/IP, IPX, NetBEUI
Management Utility	Link Configuration for network join and diagnostics
EMC Certification	FCC
Packaging	Customer Define
CIS	Customer Define