

BE INTERACTIVE

GATENET CompactFlash Size Micro LAN Card User Guide

For Porcket PCs / Windows CE-based PDA / Palm PCs

Tech support

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FCC NOTICE



This 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 instructions, may cause harmful interference to radio communications. 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 correct 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.

NOTE : The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

INTRODUCTION

This Gatenet CompactFlash MicroLAN Card is designed for Window CE-based palm-sized PCs, pocket PC, handheld PCs and any computer with a CompactFlash slot.

The Gatenet CompactFlash MicroLAN Card is easy to install, and no external power is required.

SYSTEM REQUIREMENTS

For Windows CE-based PDA/Palm PC:

- A Type I or Type II CompactFlash Slot supporting I/O functionality.
- Windows CE 2.X or newer version
- Windows CE Service Disk
- CF+ and CompactFlash Spec. Reversion 1.4 compliant Card Services and Socket Services

OPERATING ENVIORNMENTS

For Windows CE-based PDA/Palm PC:

Software Compatibility

Windows CE 2.X or newer version

Hardware Compatibility for Processor Families:

Supports PDA/Palm PC using MIPS4000 series, Hitachi Sh3 series, Intel Strong ARM Series, and Hitachi Sh4 series processors.

HARDWARE INSTALLATION

It's referred to "the Compact Card" for the Gatenet CompactFlash Micro LAN Card.

Inserting the CompactFlash Micro LAN Card

1. Insert the "CompactFlash Size Micro LAN Card" into Windows CE-based PDA/Palm PC by aligning the Compact Card with wide connector toward the CompactFlash slot.

CONNECTING TO THE NETWORK

This section describes how to install the “CompactFlash Micro LAN Card” using a Pocket PC.

What is needed:

- Any NE2000 compatible network operating system
- PC with Win95, Win98, Win2000, Windows NT 4.0
- ActiveSync 3.1
- Ethernet Interface Card for PC
- PocketPC CompactFlash card
- Ethernet Hub or crossover cable

PC Configuration:

Configure you PC for Ethernet and install the client for Microsoft Networks and the TCP/IP protocol.

Before using Ethernet, install ActiveSync 3.1 on the PC. For our example, the PC’s IP address is 211.116.132.59.

Pocket PC Configuration

1. Establish a partnership using a serial cable, infrared or USB connection to the PC with
ActiveSync installed.
2. Configure the Network Control Panel for Ethernet on your Pocket PC.
 - a. Click **Start**
 - b. Click **Settings**
 - c. Click **Connections**
 - d. Click **Network**

- e. Click **Gatenet CF MicroLAN Driver**
- f. If you have a **static IP address**, enter the IP address for the Pocket PC and subnet mask. For example, use the IP address of 211.116.132.59 with a subnet mask 211.116.132.59. Leave the other fields blank. Otherwise, click on **Use server-assigned IP address** if you have DHCP server installed.
- g. Click on **Name Server**. If you are using **static IP address**, enter DNS numbers and WINS server address provided by Network Administrator. If you do not have WINS server installed, use the IP address of the PC (For example, our PC's IP address is 211.116.0.1. *Note: This is NOT the IP address of your Pocket PC).

Synchronizing

Plug both the Pocket PC and the PC into the hub. If using a crossover cable, connect Pocket PC directly to PC.

Select ActiveSync on Pocket PC and make sure the method is **Network Connection** and the **Connect To** matches the PC computer's name. Click **Connect** to start ActiveSync communications. This will allow your Pocket PC to stay up-to-date, download new email, tasks, contacts and other files and data whenever it is connected to you desktop. For more information, please refer to the **Help Files** located within the Pocket PC.

Note

To remove the CompactFlash MicroLAN Card, refer to the Compact Card removal instruction in the document for your PDA/Palm PC.

Windows CE 2.X setup

This section describes how to install the "Gatenet CompactFlash MicroLAN Card" on a Palm-sized PC, handheld PC based on Windows CE Version 2.X.

1. Establish a connection between a Windows CE based PDA/Palm PC and your Host PC, typically the Host PC runs under Windows9X/NT.
2. Install "ActiveSync" connection from the WinCE Services CD to your desktop PC. For more information, refer to the Online help.
3. Connect the PDA/Palm PC to the Host PC COM1, COM2, or USB port with the correct cables.
4. Once the connection between Host PC and PDA/Palm PC is established, an "Mobile device" icon will appear inside "My Computer" folder of your Host PC.

5. Insert Disk “Gatenet CompactFlash MicroLAN Card for WinCE”. Use “Windows Explorer” to open files directories in A: Then double click on the directory A: disk and look for setup file “setup.exe”. Please Execute the setup file.
6. Insert the Compact Card and reset the PDA/Palm PC thereafter. Then configure your Compact LAN Card as follows.
7. Double click on “**Network**”, select “**Properties**” and choose “**Obtain an IP address through DHCP server**”. At this time, you should see “Gatenet CF Micro LAN Card” installed and appearing in the WinCE screen.
8. If your local LAN doesn’t run DHCP, you may have to manually configure the IP address under “**Specify an IP address**” option.

Note: Host PC’s running Windows 95 OSR2 cannot active sync after entering suspend mode. If the machine goes into suspend, it will need to be reset in order to active sync with the handheld device.

APPENDIX A. SPECIFICATIONS

Network Interface Specifications

- IEEE 802.3 for 10BaseT
- NE2000 Compatible

Date Rate

- 10 Mbps

Host Interface and Physical Specifications

For PDA/Palm PC: (Compact Card Only)

- CF+ and CompactFlash Spec. Rev 1.4 compliant
- Type I Compactflash I/O Card
- 3.46" x 1.685" x 0.130 (88mm x 42.8 mm x 3.3mm)

Software Compatibility – Operating Systems

- Designed for Windoqs CE 2.0 or newer supports synchronization from Microsoft Windows 95/98 and NT

Power Requirements

Nomal Operation: +3.3V DC, 21mA max

General Specification

LEDs: Link Integrity(Orange), Activity(Green)

Environments Ranges

Operating: 32°F to 149°F (0°C to 65°C)

Storage: -4°F to 158°F (0°C to 70°C)

Humidity: 10% - 90%