

## Regulatory Information

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### In This Section

#### Warnings

**This Section outlines important regulatory notices concerning your new PC Card.**

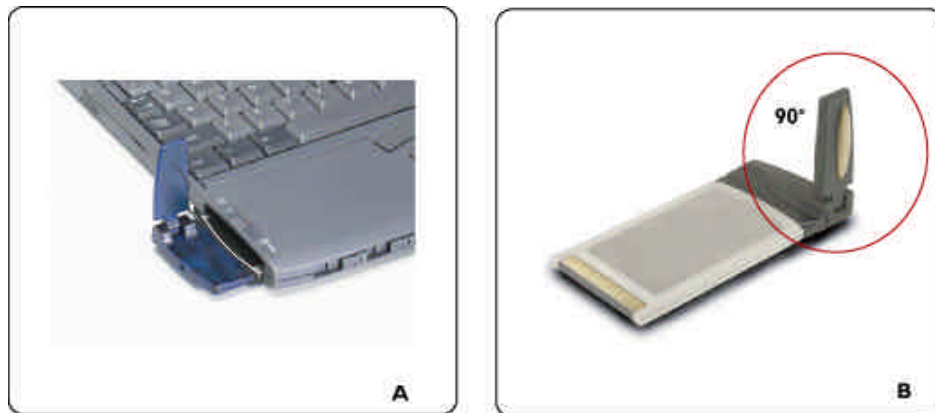
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### Regulatory Notices

This device complies with Parts 15, 22, and 24 of the FCC rules. This PC card has been tested with the typical laptop computer with the side loading PCMCIA bay. This PC card must not be co-location or operated in conjunction with any other antenna or transmitter. Use of this device in any other configuration may exceed the FCC RF Exposure compliance limit. Operation of this device is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesirable operations.

**AirPrime, Inc** guidelines stipulate that the antenna should be more than 1.5 cm (0.60") from bystanders and 1.0cm (0.39") from the user. When in use, the antenna should be fully extended upward at a 90-degree angle. [File Name: 90\_generic.jpg]



### FCC ID: PNF-PC3220P

**Caution:** Unauthorized modification of changed not expressly approved could void compliance with RF exposure guidelines.

**Warning-** This equipment has been tested and found to comply with the limits pursuant to Part 15, 22, and 24 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in an appropriate 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 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

**WARNING-** This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference causing equipment standard entitled "Digital Apparatus," ICES-003 of the Department of Communications.

*Cet appareil numerique respecte les limites de bruits radioelectriques applicables aux appareils numeriques de Classe B prescrites dans la norme sur le materiel brouilleur. "Appareils Numeriques," NMB-003 edictee par le ministre de Communications.*

**If you have purchased this product under a United States Government contract, it shall be subject to restrictions as forth in subparagraph (C)(1)(ii) of Defense Federal Acquisitions Regulations (DFARs) Section 252.227-7013 for Department of Defense contracts, and as set forth in Federal Acquisitions Regulations (FARs) Section 52.227-19 for civilian agency contracts or any successor regulations. If further government regulations apply, it is your responsibility to ensure compliance with such regulations.**

## Safety Information And Terms & Conditions

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### Safety and Notices

#### In this Section

- Important Notice
- Safety and Hazards

This section outlines important liability and safety guidelines concerning your new PC Card.

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#### Important Notice

Because of the nature of wireless communications, transmission and reception of data can never be guaranteed. Data may be delayed, corrupted (i.e., have errors) or totally be lost. Although significant delays or losses of data are rare when wireless devices such as the PC Card-Model PC3220 CDMA modem are used in a normal manner with a well constructed network, they should not be used in situations where failure to transmit or receive data could result in damage of any kind to the user or another party, including but not limited to personal injury, death or loss of personal property. No responsibility for damages of any kind resulting from delays or errors in data transmitted or received using the PC Card-Model PC3220 CDMA modem, or for failure of the PC Card-Model PC3220 to transmit or receive such data.

#### Safety and Hazards

[File Names: explosive.jpg; hospital.jpg; plane.jpg; car.jpg]



Do not operate the PC Card-Model PC3220 in areas where blasting is in progress, where explosive atmospheres may be present, near medical equipment, life support equipment, or any equipment which may be susceptible to any form of radio interference. In such areas the PC Card-Model PC3220 **MUST BE POWERED OFF**. It can transmit signals that could interfere with this equipment.



Do not operate the PC Card- Model PC3220 in any aircraft whether the aircraft is on the ground or in flight. In aircraft, the PC Card- Model PC3220 **MUST BE POWERED OFF**. When operating it can transmit signals that could interfere with various onboard systems.



The driver or operator of any vehicle should not operate the PC Card- Model PC3220 while in control of a vehicle. Doing so will detract from the driver or operator's control and operation of that vehicle. In some jurisdictions, operating such communications devices while in control of a vehicle is an offense.

**IX. Technical Specifications****A. Environmental Specifications**

|                                     |                                                                                            |
|-------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Operating temperature:</b>       | - 20° to 60° C                                                                             |
| <b>Storage temperature:</b>         | - 30° to 65°C                                                                              |
| <b>Humidity:</b>                    | 60° @ 15 - 95 % RH                                                                         |
| <b>Vibration stability:</b>         | Sinusoidal vibration @ 15g peak<br>Mechanical shock @ 50g peak<br>1 meter on vinyl surface |
| <b>Drop:</b>                        |                                                                                            |
| <b>Contact discharge (Level 2):</b> | +/- 1.5k V                                                                                 |
| <b>Air discharge (Level 3):</b>     | +/- 15k V                                                                                  |

**B. Radio Frequency & Electrical Specifications**

|                             |                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Approvals:</b>           | FCC (parts 15&24, SAR)                                                                                                      |
| <b>Interface type:</b>      | Type II PC Card                                                                                                             |
| <b>Supply voltage:</b>      | 3.3V                                                                                                                        |
| <b>Current consumption:</b> | Sleep/Idle: 95mA<br>Average in-use: 360mA<br>Max. (Peak): 950mA                                                             |
| <b>Transmitter power:</b>   | <b>Conducted Power (dBm):</b> 1900 MHz 25.0<br>800 MHz 23.5<br><b>Radiated Power (dBm):</b> 1900 MHz 25.42<br>800 MHz 25.47 |
| <b>Transmitting:</b>        | Forward link: 144 kbps                                                                                                      |
| <b>(Max data rate):</b>     | Reverse link: 144 kbps                                                                                                      |
| <b>Transmit:</b>            | 1850 to 1910MHz and 824 to 849MHz                                                                                           |
| <b>Receive:</b>             | 1930 to 1990MHz and 868 to 894MHz                                                                                           |
| <b>Channel spacing:</b>     | 1.25MHz                                                                                                                     |
| <b>Frequency stability:</b> | +/- 150Hz                                                                                                                   |
| <b>Voice capability:</b>    | None                                                                                                                        |

**C. Software Specifications**

|                                          |                     |
|------------------------------------------|---------------------|
| <b>CDMA specification:</b>               | IS - 2000 Release 0 |
| <b>Data service:</b>                     | IS - 707A           |
| <b>SMS (IS-637):</b>                     | No Support          |
| <b>FAX:</b>                              | No Support          |
| <b>IOTA:</b>                             | No Support          |
| <b>OTASP (IS-683A):</b>                  | Support             |
| <b>OTAPA (IS-683A):</b>                  | No Support          |
| <b>PRL (preferred roaming list):</b>     | Support             |
| <b>Authentication:</b>                   | Support             |
| <b>Voice:</b>                            | No Support          |
| <b>NAM:</b>                              | Single              |
| <b>E911 &amp; Position Location:</b>     | No Support          |
| <b>TTY / Accessibility:</b>              | No Support          |
| <b>Mobile IP:</b>                        | No Support          |
| <b>WNP(wireless number portability):</b> | No Support          |

**D. Mechanical Specifications**

|                                |                             |
|--------------------------------|-----------------------------|
| <b>Dimensions (W x L x H):</b> | 54mm x 117mm x 5mm          |
| <b>Weight:</b>                 | 40g                         |
| <b>Power button:</b>           | No support                  |
| <b>Headset jack:</b>           | No support                  |
| <b>LED:</b>                    | Red/Green                   |
| <b>Antenna:</b>                | Vertically polarized dipole |