

*Quanta Computer Inc.*

**Wireless module (MiniPCI)**

**MPCI3A-20/R**

**User's Manual**

## Drivers Installation

### Before You Start the Installation

Before you start the installation, you are advised to keep the Windows CD-ROM or software diskettes close at hand. If your computer came with a factory-installed Windows operating system, these files will be stored on your computer's hard disk, in the form of cabinet (\*.cab) files.

### What You Need to Know

Installing a Mini-PCI Card requires the same level of expertise that you would need to install a standard Ethernet network adapter card. It is assumed that you have a working knowledge of standard Windows 95/98/2000/ME operations and of installing network adapter cards. Refer to the Windows Help when necessary (on the Windows task bar, press the **Start** button and select **Help**).

### Driver Installation for Windows 98/2000/ME /2000/Millennium/XP

Windows 98/2000/ME/XP operating systems support "Plug & Play" for Mini-PCI Cards. Once you insert the Mini-PCI Card into your computer, these operating systems will automatically:

- Detect the card, and enable the Driver, or
- Start the **Add New Hardware** wizard and prompt you to install the driver, when the operating system cannot find the required driver. This would typically occur when inserting the Mini-PCI Card into your computer for the very first time.

To install the driver proceed as follows:

1. If Windows starts the **Add New Hardware** wizard follow the instructions of the **New Hardware Found** wizard to install the drivers.

n When you are prompted to locate the driver installation files:

— Select the CD-ROM that was included with your Mini-PCI Card kit and select related location of driver

Windows Driver: \Drivers\Windows\

When finished installing the drivers, Windows automatically opens the **Add/Edit Configuration Profile** window.

2. Continue with setting the basic parameters

### **Windows Network Properties**

If this is the very first time that Networking support is installed onto your computer, the Windows operating system will prompt you to enter a computer and workgroup name. These names will be used to identify your computer on the Microsoft Network Neighborhood.

1. The window will pop-up automatically.
2. In the **Computer Name** field, enter a unique name for your computer.
3. In the **Workgroup** field, enter the name of your workgroup.
4. (Optional) Provide a description of the computer in the **Computer Description** field.

For more information about setting your Windows Network Properties, consult your Windows documentation or the Windows on-line help information.

### **Set Basic Parameters**

After installing the drivers, Windows will open the Add/Edit Configuration Profile window for your Mini-PCI Card.

The Add/Edit Configuration Profile window enables you to specify one or more network connection profiles.

For example you can setup profiles for:

- **Office**, to connect to an Enterprise Network via an Access Point.
- **Workgroup Computing**, to share files with colleagues or friends in small Peer-to-Peer workgroups without access point.
- **Home**, to connect to a Residential Gateway (RG) that provides access to the Internet or your home printers.

To connect your computer to a wireless network you will need to:

1. Assign a name to the network connection profile
2. Use the pull-down menu on the right to select how you wish to connect to the wireless network.
3. Click the **Edit Profile** button to view/modify the parameters for the selected profile.

For first-time installations, you are advised to setup the single profile using only the Basic Settings.

### **NOTE:**

The number and type of parameters you need to specify may differ according to the selected

connection type.

For information about various option press the key F1 or click the **Help** button.

### **Basic Settings for Residential Gateway**

If you wish to connect to a Home Network via a Residential Gateway, use the Add/Edit Configuration Profile window to:

- Select to connect to a **Residential Gateway**.
- Set the correct **Network Name** and **Encryption Key**.

1. In the field **Network Name** enter the 6-character RG ID to define the same of the wireless network to which you want to connect. The **Network Name** has to match the unique RG ID (which can be found on the device).

2. In the **Encryption Key** field enter the last 5 digits of the RG ID (default).

#### **NOTE:**

If you changed the default Encryption Key on the Residential Gateway (RG) you will need to enter the new value here as well.

3. Click **OK** to confirm and return to the Add/Edit Configuration Profile window.

4. Click **OK** again to finish the installation.

### **Basic Settings for Peer-to-Peer**

#### **Workgroups**

If you wish to connect to a Peer-to-Peer workgroup, use the Add/Edit Configuration Profile window to:

- Select to connect to a **Peer-to-Peer Workgroup**.
- Set the correct **Network Name** and **Encryption Key**.

1. In the field **Network Name** define the name of the wireless network to which you want to connect.

The Network Name can be any alphanumeric string in the range of "a" to "z", "A" to "Z" and "0" to "9" with a maximum of 32 characters (case-sensitive).

- If there is already a Peer-to-Peer group with this name available your computer will automatically connect to this workgroup.

- If there is not yet such a group available, your computer will automatically start one with this name.

2. Click **OK** to confirm and return to the Add/Edit Configuration Profile window.

3. Click **OK** again to proceed with the installation.

### **Finish the Installation**

When you have finished "Set Basic Parameters", click the **OK** button to close the Add/Edit Configuration window and to proceed with the installation process. Windows will finish building the driver configuration database and copy some files to your computer's hard disk.

If the Windows operating system prompts you to identify the location of the Windows files, specify the drive and directory of the Windows Installation CD-ROM or diskettes. When you had a Mini-PCI Card installed on your computer before, most of these files are already available on your hard disk drive. If you do not have the Windows CD-ROM available, you may try replacing the proposed path in the Copy Files From dialog box with:

"C:\Windows\System" or "C:\Windows"

- If the Windows operating system prompts you to identify the location of the driver files (typically file names starting with the characters wv\*.v) specify the drive and directory of the Software:
  - if installing from the CD-ROM specify the drive in one of the following directories on the Software CD-ROM.
  - if installing files that you downloaded from the Internet, point to the disk drive or directory where you saved the downloaded files.

When Windows has finished the copying of files, it will prompt you to restart your computer. Click the **OK** button to restart your computer.

### **After Restarting Your Computer**

After you have restarted your computer, the Windows operating system will detect the Mini-PCI Card. Load the driver, in a dialog box enter a Windows user name and password. The password you enter here will be the one used to login to the Windows Network Neighborhood.

## **Federal Communication Commission Interference Statement**

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 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.

FCC Caution: To assure continued compliance, (example - use only shielded interface cables when connecting to computer or peripheral devices) any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## **Statement Needed to be Shown on End Product**

Since this module is installed inside the end product, the end product should be affixed a label on visible area showing that this product contain a RF module, and also its FCC ID.

## **IMPORTANT NOTE:**

### **FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## **Installation Guidance**

Once this module has been integrated into the host notebook, be sure that the antenna has to be integral and located on top portion of both sides of the LCD panel. The antenna has to be maintained at least 20cm separation with the human body.