Creatix 802.11b Wireless PCI CARD CTX404E V.2 User Manual

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Safety instructions

This equipment has been designed and tested in accordance with the requirements of Standard IEC 950 "Safety of Information Technology Equipment, Including Electrical Business Equipment" Extracts from these requirements according Standard IEC 950:

The CTX404E V.2 was evaluated for use in maximum ambient temperature of 40 $^\circ\text{C}.$

The CTX404E V.2 may only be used in countries where the card is certified.

Regulatory Statements

FCC Certification

The United States Federal Communication Commission and the Canadian Department of Communication have established certain rules governing the use of electronic equipment.

Part15, Class B

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device my not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation. 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 will not occur in a particular installation. If this equipment does cause harmful interference to radio or 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.

Caution:

1. 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 and your body.

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

3. Changes or modifications made to this equipment not expressly approved by *Creatix Polymedia GmbH* may void the FCC authorization to operate this equipment

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Introduction

The **802.11b Wireless PCI Card** is a powerful 32-bit PCI Card that plugs quickly and easily into your Desktop PC for wireless network applications without wires or cables. Based on the IEEE 802.11b standard, it offers a transferring date rate of 11Mbps in a wireless LAN environment. Once connected with other networked PC's, it allows you to share hard disk drives, DVD drives, CD drives, printers, and the likes.

The 802.11b Wireless PCI Card allows you to take full advantage of your PC's mobility with access to real-time information and online services anytime and anywhere. Plus, with the network installation simplicity and flexibility, you can eliminate the need to pull cable through walls and ceilings. Exploring WWW and augmenting networks can never be done more easily.

Features:

Compliant with IEEE 802.11b standard for 2.4GHz Wireless LAN

Compliant with PCI Standard

Works with all existing network infrastructure.

Compatible with specific wireless products and services

Capable of up to 128-Bit WEP Encryption Protocol

Freedom to roam while staying connected

11 Mbps High-Speed Transfer Rate

Lower power consumption

Easy to install and configure

Wireless Network Options

The Peer-to-Peer Network

This network installation lets you set a small wireless workgroup easily and quickly. Equipped with wireless PCI or wireless PC Cards, you can share files and printers between each PC and laptop.



Or you can use one computer as an Internet Server to connect to a wired global network and share files and information with other PCs via a wireless LAN.



The Access Point Network

The network installation allows you to share files, printers, and Internet access much more conveniently. With wireless PCI Cards, you can connect wireless LAN to a wired global network via an **Access Point**.



Install the CTX404E V.2

- 1. Before installing the device, make sure the computer is turned off.
- 2. Remove the expansion slot cover from the computer.
- 3. Carefully slide the wireless PCI card into an available PCI slot, push

it evenly and firmly and ensure it is screwed securely in place using the mounting screw.

4. Once the device has been connected to your computer, Windows will detect the new hardware automatically.

Windows XP

Hardware Update Wizard	
	Welcome to the Hardware Update Wizard
	This wizard helps you install software for:
	Network Controller
- And	If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do?
	⊙Install the software automatically (Recommended) ○ Install from a list or specific location (Advanced)
	Click Next to continue.
	< <u>B</u> ack <u>N</u> ext > Cancel

Click on "Install the software automatically (Recommended)" and click "Next">



Click "Next">



Finish the driver installation with a click on the "Finish" button.

Installation Client Mgr 3.23

Select your CD-ROM, open the folder "Client Mgr 3.23", double-click on "setup.exe" to install the Wireless LAN Utility.

The Client Manager installation is managed via an installation wizard.



When the Welcome screen appears , click "Next "> to continue.

Wireless Client Manager
License Agreement Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
Agere Systems Inc. 2002 Software Copyright (c) 2002 Agere Systems Inc. All Rights Reserved
AGERE SYSTEMS END USER LICENSE AGREEMENT FOR SOFTWARE AND DOCUMENTATION
Do you accept all the terms of the preceding License Agreement? If you select No, the setup will close. To install Wireless Client Manager V3.23, you must accept this agreement.
(<u>B</u> ack <u>Y</u> es <u>N</u> o

Click "Yes".

Wireless Client Manager	
Choose Destination Location Select folder where setup will install files.	
Setup will install Wireless Client Manager V3.23 in the following folder.	
To install to this folder, click Next. To install to a different folder, click Brows another folder.	e and select
C Destination Folder	
D:\Program Files\Wireless\Client Manager	Browse
InstallShield	
< <u>B</u> ack <u>N</u> ext >	Cancel

Click "Next"> to continue



Select the language of your Client Manager and Click "Next">.



Click "Finish".

Configuration by Windows Utility

1. Go to Start → Control Panel → Network Connections.

2. In Network Connections window, right-click the Wireless Network Connections icon, and select Properties.

Note: Double-click the **Wireless Network Connection** icon and you can see the status of the Wireless PCI Card as described below.

Contection	
Status:	Connected
Durations	00:05:10
Speed	11.0 Mbps
Signal Strength:	Tat
Sent —	🗐 — Received
Packetz 33	a
Doperties Disable	

3. In Wireless Network Connection Properties window, select the General tab. Click Configure to enable Windows configuration.

🗕 Wireless Network Connection Properties 🛛 🕐 🔀
General Wireless Networks Advanced
Connect using:
IIII Creatix CTX404 WLAN 802.11b
Configure
This connection uses the following items:
Builden to Microsoft Networks Theremet Protocol (TCP/IP)
Install Uninstall Properties
Allows your computer to access resources on a Microsoft network.
✓ Show icon in notification area when connected
OK Cancel

A	
Аптеппа	(Diversity, Antenna A or Antenna B): These settings determine which antenna will be used to transmit or receive.
Channel	Select the appropriate channel from the list provided to correspond with your network settings. All devices in the wireless LAN must be configured to share the same radio channel in order to work correctly.
	(There are 14 channels available, depends on the country.)
Data Rate	Select (1, 2, 5.5, or 11Mbps or Auto) from the pull-down list to change the current transfer rate.
Network Type	Select the appropriate Network Type from 802.11 AdHoc Mode (Active), 802.11 AdHoc Mode (Passive) or Infrastructure.
	In AdHoc mode, Active mode is recommended since it can generate/pass beacon packets automatically.
Preamble	A preamble is a signal used in wireless environment to synchronize the transmitting timing including Synchronization and Start frame delimiter. (Note : Please check the setting of AP first.)

Auto	Select Auto for the Network adapter to select the Preamble type automatically depending on the Access Point Preamble type.
Long Preamble	If in a "noisy" network environment, the Preamble Type should be set to Long Preamble .
Short Preamble	The Short Preamble is intended for applications where minimum overhead and maximum performance is desired. If in a "noisy" network environment, the performance would be decreased.
RTS Threshold	This value should remain at its default setting of 2347 . Should you encounter inconsistent data flow, only minor modifications of this value are recommended

Select SharedKey Index	Select from 1, 2, 3, 4 or No selection.
Sharekey1 Sharekey2 Sharekey3 Sharekey4	This setting is the configuration key used in accessing the wireless network via WEP encryption. Fill in the appropriate value/phrase.
SSID	SSID is the unique name shared among all points in your wireless network. It must be identical for all points in the network. It is case-sensitive and must not exceed 32 characters. Make sure that all points in the network are set the same.
WEP	WEP is a data privacy mechanism based on a 64 Bit/128 Bit shared key algorithm. Select WEP key 128bit or WEP key 64bit to enable WEP encryption.

4. In Wireless Network Connection Properties window, select the Wireless Networks tab.

Wireless Network Connection Properties 👘 🕅	🕹 Wireless Network Connection Properties 👘 🚦
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Available getweeks	Availate potenties
To connectite an available setwark, dick Configure.	To connectite an available setwark, click Contigues.
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i MydSD v Righech	e Myddio Pigleich
- Padrand entrumber	- Debaard astorrite
Automatically connect to evaluable network z in the order lated below:	Automatically connect to available nativorius in the order lated before.
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Plove glovn	Hore gove
gdd. Bemove Piggenties	gdd. Benove Pignetties
Learn about setting up wireless network Advanced	Learn about setting up wirdess network Adjances
Ocare Careel	Care Care

Use Windows to configure my wireless network settings

Disable the check box to use Manufacturer's Configuration Utility.

☑ Enable the check box to use Windows to configure.

Available networks

Displays all available networks.

Configure

Click the button to set up a new network or WEP configuration as illustrated as below.

Witeless network key (W This network requires a	VEP) key for the following
Data encryption (V	YEP enabled) sation (Shared mode)
Network key	
Key (ormat	ASCII characters
Key (ength	104 bits (13 characters)
Key indeg (advanced):	0
The key is provided	for me automatically

Refresh

Click the button to refresh and search for all available networks.

Preferred networks

From available network(s) listed above, you can select preferred one(s) in an order that you can arrange.

The marked one is the currently used network.

Move up

Move the selected network forward one position.

Move down

Move the selected network back one position

Add...

Click the button and the Wireless Network Properties window will appear. In the Network name field, enter your desired network name listed in the above Available networks box, and click OK.

Note: The new settings will be active only after you click on OK in the Wireless Network Connection Properties window.

Remove

Highlight the unwanted network listed in the **Preferred networks** box, and click the button to remove it.

Properties

Highlight the network listed in the above **Preferred networks** box, and click the button to display its properties.

Once network configuration is done, make sure to click OK. The new parameters will be saved and active only after doing so.

Network Connection

Once the driver has been installed, you must make some changes to your network settings.

Go to Start → Control Panel → Network Connections → Wireless Network → Connection Enabled 802.11b Wireless PCI Card → Properties.

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the the year ity was	1148 1946					12
**************************************	int Cylober	(dainen 1	URAN	O IP		all and
Address and Control Front		1911 - P.	212241	10.0		1.50
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🕹 Wireless Network Connection Properties 👘 🛛 🔀
General Wireless Networks Advanced
Connect using:
Ereatix CTX404 WLAN 802.11b
Configure
Section of the
Install Uninstall Properties
Allows your computer to access resources on a Microsoft network.
Show icon in notification area when connected
OK Cancel

2. Make sure that you have all the following components installed.

Client for Microsoft Networks NWLink NetBIOS NWLink IPX/SPX/NetBIOS Compatible Transport Protocol Internet Protocol (TCP/IP)

3. If any components are missing, click on the **Install...** button to select the **Client/Service/Protocol** required. After selecting the component you need, click **Add...** to add it in.

Select Network Component Type
Qick the type of network component you want to instal:
Clent Senice Protocol
Description
A protocol is a language your computer uses to communicate with other computers.
Adt Cancel
Select Network Protocol
Dick the Network Protocol hat you want to install then click DK. If you have an installation click to this component, click Have Dick.
Network Biolocol
AppleTail: Protocol DLC: Potytool 1925/2011/motocol Nethala: Ministra Driver Nethala: Ministra Driver Nethala: Ministra Driver
Horro Diak

4. For making your computer visible on the network, make sure you have installed **File and Printer Sharing for Microsoft Networks**.

5. When finished, you must restart your computer to complete the installation.

Uninstall

Go to the Control Panel < System - Hardware - Device Manager>

Click with the right mouse button to the **Creatix CTX404WLAN 802.11b** and click uninstall.



Go into the hidden directory \ Windows \ Inf

Check all "**oem.inf**" files (they can be opened by a double click) to find the oem.inf file "**Copyright 2002, Agere System Inc**"

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<u> E</u> ile <u>E</u> dit F <u>o</u> rmat <u>V</u> iew <u>H</u> elp		
Copyright 2002, Agere Systems Inc		^
[Version] signature="\$CHICAGO\$" Class=Net Provider=Creatix DriverVer=07/09/2003, 7.86.0.619 ClassGUID={4d36e972-e325-11ce-bfc1-08002be10318} Compatible=1 Catalogfile=wlags9x.cat Catalogfile.NT=wlags2x.cat		
[Manufacturer] Creatix="Creatix", NT.5.1		
[ControlFlags] ExcludeFrom5elect = *		
[Creatix] %N01%=D01,PCI\VEN_11C1&DEV_AB10&SUBSYS_200216BE&REV_00		
[Creatix.NT.5.1] %N01%=DXP01,%C01%		
[D01]		
	>	

Delete this file.

After deleting the file shut down your PC to remove the card or restart to install a new update for the driver.

Support-Inquiry

Medion USA, Inc 1721 Moon Lake Blvd #300 Hoffman Estates, IL 60194

Name		Given name		
Telephone		Fax		
Street		Email		
Zip		Town		
Product		Serial-number		
Operating system	DOS Windows 3.1 Windows 3.11	 Windows 95 Windows 98 Windows NT 4.0 	☐ Windows ME ☐ Windows 2000 ☐ others	
Software	delivered - which?			
	☐ others:			
Used settings (see Chapter 1)		COM-Port IRQ		
Additional Cards (please give description about IRQ and DMA)		🖵 no		
 Sound card Streamer-Controller Network Card CD-ROM-Controller others: 				

Do you use only the delivered Original cables? Yes others: (for example extension lead, Telephone cable end so on.)

Problems

You get the error message **also**: u with an other Software using the device with an other PC

Wireless LAN general:
no Connection
abort of the Connection
smear signs at the screen
many errors with Up-/Downloads (Data transfer), which?
other errors, Description:

Internet:

no Connection
abort of the Connection
smear signs at the screen
other Errors, Description:

Other problems or questions: