# ZTE CDMA 1X Card User Guide

(Version: V4.2C-TY)

This user guide applies to the ZTE CDMA 1X card of MC315/MC315+, MG166, and MG466.

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If there is anything unclear in this manual, please contact us or our agent or seller.

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## 1. Introduction

ZTE CDMA 1X card fits into a standard Type II PC Card slot (available on most notebook PCs) and can function as a wireless network card, a modem, and a mobile phone. This card allows you to connect to the Internet, send and receive SMS messages, and make phone calls, without the need of a network cable or phone line.

With the design of the R-UIM card separate from the body, ZTE CDMA 1X card can make the operation more flexible.

Model	MC315	MC315+	MG166	MG466	
ltem	10010 1010+		Mie 100	1010100	
Transmit Frequency	824~849MHz	824~849MHz	1850~1910MHz	452.5~457.5MHz	
<b>Receive Frequency</b>	eive Frequency 869~894MHz 869~894MHz 1930~1990MHz 462.5~467.5M			462.5~467.5MHz	
Freq. Stability	FA±300Hz				
Dimension 86*54*5 mm					
Weight	Weight 33g				
Data Transmission	MAX 153.6 kbps				
Voltage	oltage 3.3V from PCMCIA Slot				
Current	Current Dormancy: 90mA Maximum: 850mA				
Transmitter Power	200mW				

## 2. Specifications

## 3. Care for your card

- > Protect the card from liquids, dust, and excessive heat.
- Optimal signal strength is usually obtained when the antenna is perpendicular to the card. The antenna should bend easily. Do not forcefully bend the antenna or plugs the antenna in and out ZTE CDMA 1X card frequently. ZTE shall not be held responsible for the loss due to user's disoperation.
- The ZTE CDMA 1X card should fit easily into your PC slot. Forcing the card into a slot may damage connector pins.
- Do not operate the ZTE CDMA 1X card near any equipment which may be susceptible to electromagnetic interference.



## 4. Features



Your ZTE CDMA 1X card may need R-UIM card. Contact your provider to get the information about if your ZTE CDMA 1X card need or need not the R-UIM card. Please insert the R-UIM card to your ZTE CDMA 1X card if it needs.

### Insert R-UIM card to ZTE CDMA 1X card (only for those who need R-UIM card)



#### Note:

When ZTE CDMA 1X card is started, the lamp is in YELLOW. After a few seconds, the ZTE CDMA 1X card will ready to work, the lamp is in GREEN.

If you want to remove ZTE CDMA 1X card from your computer, press the ejector to remove ZTE CDMA 1X card from the slot, do not pull the card out by the antenna.



## 5. Setup and Uninstall

## **5.1 System Requirements**

The ZTE CDMA 1X card is supported on:

- Windows 98
- Windows 2000
- Windows Me
- Windows XP

To install the ZTE CDMA 1X card, you will require these system resources at the minimum:

CPU	Pentium-II/233MHz
Card Slots	1 Type II PCMCIA (PC Card) Slot
Disk Drive	CD-ROM (for installation only)
Memory	64 MB
Disk Space	30 MB

## 5.2 Setup for Windows 2000

### 5.2.1 Setup

Note:

Don't insert the ZTE CDMA 1X card before setup.

1. Please find "autosetup.exe" first in ZTE CDMA 1X card CD, and double click the icon of autosetup.exe, then choose "English" when the picture displayed in the screen.

ZIE	Wireless	Modem
<b>《</b> 》 简称中 3	ζ	Installation
🗸 English Spanish		
Russian		
		o EXIT

2. When you see this window, please click "Next".



3. Select the location where the program is to be installed, then click "Next".

🚏 Setup - ZTE CDMA1X CARD	
Select Destination Location Where should ZTE CDMA1X CARD be installed?	
Setup will install ZTE CDMA1X CARD into the following folder.	
To continue, click Next. If you would like to select a different folder, click Browse.	
D:\Program Files\ZTE CDMA1X CARD Browse	
At least 4.7 MB of free disk space is required.	
< Back Next > 0	Cancel



4. Select start menu folder, then click "Next".

🚏 Setup - ZTE CDMA1X CARD	_ 🗆 🗙
Select Start Menu Folder Where should Setup place the program's shortcuts?	
Setup will create the program's shortcuts in the following Start Menu folder.	
To continue, click Next. If you would like to select a different folder, click Browse.	
ZTE CDMA1X CARD Browse.	
< Back Next >	Cancel

5. When you see this window, please click "Install".

🖶 Setup ZTE CDMA1X CARD	_ 🗆 🗙
Ready to Install Setup is now ready to begin installing∠TE UDMA1X UARD on your computer.	
Click Install to continue with the installation, or click Back if you want to review change any settings.	/ or
Destination location: D:\Program Files\ZTE CDMA1X CAND	<u>_</u>
Start Menu folder. ZTE CDMA1X CARD	
त	<b>▼</b>
< Dack Install	Cancel



#### 6. Please wait.



7. Please insert the ZTE CDMA 1X card. (If your card is in the slot, please insert the card again)

🔂 Setup - ZTE CDMA1X CARD	- 🗆 🗵
Installing Please wait while Setup installs ZTE CDMA1X CARD on your computer.	
Finishing installation	
Please insert CDMA 1X device again.	
C	ancel

8. Please wait for updating the driver.





9. You can see the window when driver installed successfully. Click "OK".



10. Click "Finish" to close the last screen of the wizard. Now you can start the application for ZTE CDMA 1X card.

🚏 Setup - ZTE CDMA1X CARD		
	Completing the ZTE CDMA1X CARD Setup Wizard Setup has finished installing ZTE CDMA1X CARD on your computer. The application may be launched by selecting the installed icons. Click Finish to exit Setup.	
	Finish	



### 5.2.2 Uninstall

1. Select Start -> Programs -> ZTE CDMA1X CARD -> Uninstall ZTE CDMA1X CARD. You will be asked if uninstall the card. Click "Yes".

ZTE CDMA1X CARD Uninstall			
?	Are you sure you want to completely remove ZTE CDMA1X CARD and all of its components?		
	Yes No		

#### 2. Please wait.

ZTE CDMA1X CARD Uninstall	×
Uninstall Status Please wait while ZTE CDMA1X CARD is removed from your computer.	3
Uninstalling ZTE CDMA1X CARD	
	Cancel

3. Click "OK" when you are notified that uninstall is complete.





## 5.3 Setup for Windows XP

## 5.3.1 Setup

#### Note:

Don't insert the ZTE CDMA 1X card before setup.

1. Please find "autosetup.exe" first in ZTE CDMA 1X card CD, and double click the icon of autosetup.exe, then choose "English" when the picture displayed in the screen.



2. When you see this window, please click "Next".

18 Setup - ZTE CDMA1X CARD		
	Welcome to the ZTE CDMA1X CARD Setup Wizard	
	This will install ZTE CDMA1X CARD on your computer.	
	It is recommended that you close all other applications before continuing.	
	Click Next to continue, or Cancel to exit Setup.	
	Next > Cancel	



3. Select the location where the program is to be installed, then click "Next".

🕼 Setup - ZTE CDMA1X CARD
Select Destination Location Where should ZTE CDMA1X CARD be installed?
Setup will install ZTE CDMA1X CARD into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
E:\Program Files\ZTE CDMA1X CARD Browse
At least 4.7 MB of free disk space is required.
< Back Next > Cancel

4. Select start menu folder, then click "Next".

🕼 Setup - ZTE CDMA1X CARD
Select Start Menu Folder Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
ZTE CDMA1X CARD Browse
< Back Next > Cancel



5. When you see this window, please click "Install".



#### 6. Please wait.

Setup - ZTE CDMA1X CARD	35
Installing Please wait while Setup installs ZTE CDMA1X CARD on your computer.	
Finishing installation	
	Passal
	Cancel



7. Please insert the ZTE CDMA 1X card. (If your card is in the slot, please insert the card again)



8. Please wait for updating the driver until this window appears. Click "OK".

Setup - ZTE CDMA1X CARD	
Installing Please wait while Setup installs ZTE CDMA1X CARD on your computer.	
Finishing installation	
SetupProduct	
Univer installation success, you can use the card h	ow.
OK	N.
	Cancel

9. Click "Finish". Now you can start the application for ZTE CDMA 1X card.

🔂 Setup - ZTE CDMA1X CARD				
	Completing the ZTE CDMA1X CARD Setup Wizard Setup has finished installing ZTE CDMA1X CARD on your computer. The application may be launched by selecting the installed icons. Click Finish to exit Setup.			
	Finish			

## 5.3.2 Uninstall

1. Select Start -> Programs -> ZTE CDMA1X CARD -> Uninstall ZTE CDMA1X CARD. You will be asked if uninstall the card. Click "Yes".

ZTE CDM	IA1X CARD Uninstall
2	Are you sure you want to completely remove ZTE CDMA1X CARD and all of its components?
	Yes No



## 2. Please wait.

ZTE CDMA1X CARD Uninstall	×
Uninstall Status Please wait while ZTE CDMA1X CARD is removed from your computer.	2
Uninstalling ZTE CDMA1X CARD	
Ĩ	Cancel
	Cancel

## 3. Click "OK" when uninstall is complete.

ZTE CDN	MA1X CARD Uninstall 🛛 🔀
٩	ZTE CDMA1X CARD uninstall complete. Some elements could not be removed. These can be removed manually.
	ОК



## 6. The Main Window and Icons

You can launch the program by:



• Double click

click **CARD**, the icon of application for ZTE CDMA 1X card in the

desktop.

• Or selecting Start -> Programs -> ZTE CDMA1X CARD -> ZTE CDMA1X CARD.

After initialization, the main window of the application will be displayed in the screen. There are icons in the top of the main window. That indicates:

- 😚	Connect/Disconnect
	Connection record
P	Voice call
12	Call history
	Write SMS
	Read SMS
	Phone Book
2.4	Settings
(?)	Help

Some features like **Voice call**, **Call history**, **Write SMS**, **Read SMS**, **Phone Book** may not be supported by your ZTE CDMA1X card, the corresponding icons will not appear in the main window. Please contact your provider or agent.



## 7. Connect/Disconnect



#### Connect to network:

- 1. Click "connect/disconnect" icon in main window.
- 2. Click "connect" button.

#### Disconnect:

1. Click "disconnect" button.



## 8. Connection Record

ZTE CDMA1X CARD	ry Write SMS Read	X SMS Phoneboo	E Settings	× ? Help
T.il 2005-6-20 14:42	Connection rec	•		
777	Date	Time	Period	Byt
215	2005-6-20	14:41:32	00:00:17	E
Connections records is not official data.Only for reference.	<		Delete D <b>ele</b>	> te All

## Note:

Connection Record is not official data. It's only for users' reference.

The connection record is displayed when you click the "Connection record" icon.

It records connect time and upload/download bytes for each connection. And it lists the monthly statistics.

## 9. Voice call

(If this feature is not supported by your ZTE CDMA1X card, please skip over this chapter.)

-	≥
Connect Disconnect Disconnection Voice Call Voice Call History Voice Call	🥐 Help
T.il   2005-6-20 14:45     0755260100   1   2   3     00   4   5   6     7   8   9   ★ + 0   #     P   T   Ri   Volumn:   High	

Note:

- 1. Please confirm your earphone is connected with the ZTE CDMA1X card when you want to make a voice call.
- 2. You can activate or deactivate the supplement services (call forward, call waiting etc.) by dialing the feature code. Please contact service provider for more detail.

The dialing pad for the card is displayed when you click the "Voice call" icon. This performs the same functions as the dialing pad on a mobile phone.

### Make a call:

- 1. Plug the earphone in the ZTE CDMA 1X card if it is not plugged in the card.
- 2. Click "voice call" icon;
- 3. Enter the number you want to dial by either clicking the number buttons on the dial pad or typing the numbers on your keyboard.
- 4. Click button

### Answer a call:

- 1. Connect an earphone to the card, if one is not already connected.
- 2. Click button
- 3. Click button or press "ESC " key to end the call.



## **10.Call History**

(If this feature is not supported by your ZTE CDMA1X card, please skip over this chapter.)

ZTE CDMA1X CARD			$\ominus$ $\otimes$
Connect Disconnect Disconnect	Write SMS Rea	nd SMS Phonebook	Settings Help
T.il 2005-6-20 14:49	Dialled call	s	
	Name	Number	Date/Time
Call SMS Save	1	Da	: elete Delete All
CDMA 1X			

Call history maintains a record of your outgoing, incoming and missed calls.

You can add an entry to the Phone Book, make a call to a number contained in one of the call records, and send messages to a number contained in one of the call records.

## **11.Send Short Messages**

(If this feature is not supported by your ZTE CDMA1X card, please skip over this chapter.)

Yorket   Yorket	🔂 ZTE CDMA1X CARD			⊖⊗
Y 2005-6-20 14:50   Content 0/160   Recipient Name   Mew   Edit   Delete   Jelete AIT	Connect Disconnect	II Call History Write SMS	Read SMS Phonebook	Settings Help
send Send 2	T 2005-6-20 Content 0/160	14:50 Recipient Select Rew Edit Delete Jelete All	Priorty Normal	Valid 1 day 💌 Mobile

#### To send SMS message:

- 1. Click "Write SMS" icon in the window.
- 2. Input the message in the screen that is on the left screen of the window.
- Click "NEW" button to enter the recipients for the message by typing the phone numbers. Or click "Select" button to enter recipients for the message by selecting from the phone book.
- 4. You can enter multiple recipients.
- 5. You can select "priority" and "valid period".
- 6. Click "Send" button to send the message.

## Note:

The successful sent message will be stored in outbox.

## **12.Read Short Messages**

(If this feature is not supported by your ZTE CDMA1X card, please skip over this chapter.)

🔂 ZTE CDMA1X CARD				⊖ ⊗
Connect Connec	Write SMS	Read SMS Phonel	book Setting	s Help
Tul 2005-6-20 14:56	In Box	CDMA 1X CA	•	0/1/30
From: (AN/A>) Date:2005-6-20 14:53:40 Content	Name 🖂 (N/A)	From 10607552	Date 2005-6	Content hello
hello				
Call Reply forward Save	Copy all	Copy	Delete	Delete All
CDMA 1X				

Incoming messages are stored in the Inbox. Outgoing messages are stored in the Outbox. In the Inbox or Outbox, you can view the messages, reply the messages, transfer the messages, and save the sender's number of the messages.

Messages store in PC or R-UIM card. You can copy them from one storage media to another by clicking "Copy" or "Copy all" button.

To read SMS messages:

- 1. Click "read SMS" icon in the window.
- 2. Select the Inbox or Outbox in the drop-down menu.
- 3. Click the message you want to read in the messages list that is in the right screen of the window.
- 4. You can view the content of the message in the left screen of the window.

## 13. Phone Book

(If this feature is not supported by your ZTE CDMA1X card, please skip over this chapter.)

PC 🔻	]			Call	SMS
Name	Mo	bile	Home	Office	En
<					3

The Phone Book provides a place to store the phone numbers and e-mail addresses of people you contact.

### To open the Phone Book:

1. Click "phonebook" icon in the window. Then you'll see the Phone Book window which lists the Phone Book entries.

### To add an entry to the Phone Book:

- 1. Open the Phone Book.
- 2. Click "New" button in the window.
- 3. Enter the person's name and any phone numbers and/or e-mail addresses in the Contact detail's window.
- 4. Click "OK" to save the entry.

### To dial a phone number in the Phone Book:

- 1. Select the entry in the Phone Book window.
- 2. Click "Call" button.

#### To send a message in the Phone Book:

- 1. Select the entry in the Phone Book window. You can make multi selection of phone numbers in Phone Book to make group messaging.
- 2. Click "SMS" button.

The Phone Book records can be stored in the PC or R-UIM card. You can copy them from one storage media to another by clicking "Copy" or "Copy all" button.



## 14.Settings

nnect/ connect	Connect Network   Dialing option   Lock device   9	Select Ring	ttings	Help
	User: Card			
Tat	password:			
	Number: #777			
Offline	DNS server		X	
	Primary DNS: 0 . 0 . 0	-		
	Secondary 0 0 0 0 0			
Connections re data.Only for re	Connect network when startup			

## Connection settings:

You can set the network connection parameters.

The settings are different in various networks. For example:

In China Unicom, they are:

I. USEI. Ca	rd

- 2. Password: card
- 3. Number: #777



## **15. Trouble Shooting**

When properly installed, you can find the port "Compact Flash OX16CF950" and the modem "CDMA\_1X Modem" in your computer's device manager.

🖴 Device Manager				
File Action View Help				
E-B ZTE-QNEM7BLICXX	<u> </u>			
🕀 💘 Batteries				
🗄 📲 🚼 Computer				
🕀 🐨 Disk drives				
🕀 😻 Display adapters				
WD/CD-ROM drives				
Infrared devices				
+ w Keyboards				
Hard other pointing devices				
Emilia Moderns				
CUMA_1X Modem				
E B Network adapters				
Compact Flash 0X16CF950 (COM4)				
ECP Printer Port (CFT1)	*			

If you can't find the devices, uninstall the application and setup it again.

Symptoms	Possible causes	Suggestions		
	The ZTE CDMA 1V cord is not	Close the application and Re-insert the ZTE		
The window displays	in the elet	CDMA 1X card, then run the application		
the message: "Can		again.		
not open the com	Other application is using the	Close other applications. Then run the ZTE		
port."	ZTE CDMA 1X card. Such as	CDMA 1X card application.		
	"Hyper terminal".			
The window displays	The R-UIM card is not	Insert the R-UIM card in the ZTE CDMA 1X		
the message: "Can	inserted in the ZTE CDMA 1X	card.		
not found the R-UIM	card.			
card. Please check	The R-UIM card is inserted	Insert the R-UIM card according to the		
whether the R-UIM	on the wrong side.	indicator in the ZTE CDMA 1X card.		
card is touched				
well."	The D LIIM cord error	Change R LIIM cord		
(only for those who		Change R-Olm Card .		
need R-UIM card)				
No signal indicated	Antenna is not plugged in the	Plug the antenna in the ZTE CDMA 1X card		
no signar mulcaleu	ZTE CDMA 1X card			



Symptoms	Possible causes	Suggestions
	Out of the network service	Confirm it is in the CDMA network service
	area	area.
	Poor network signal	Reorientate your antenna
		Correct the settings. You can get the
When attempting a		information from your service provider.
dial-up data	User name or password is	e.g. In China Unicom, they are:
connection, window	wrong.	User: card
displays the		Password: card
message, " <b>An</b>		Number: #777
authentication event	Your account does not have	Put money into your account or Contact your
has occurred"	enough money.	service provider.
	Network is busy or has	Try again after a few minutes.
	problem	

If the problems cannot be solved after the above handling, please

- > Download the latest ZTE CDMA 1X card program at http://www.zteit.com and reinstall it.
- Call 800-830-8218 or feed back your information directly by sending emails to zte\_mobile@zte.com.cn for customer service. We will reply to you as fast as possible and provide you with good after-sales services.



## SAR INFORMATION

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types MG166 has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for when properly worn on the body is 0.350 W/kg. This device was tested for typical body-worn operations inserted in a notebook kept 1.5 cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.5 cm separation distance between the user's body and the device. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.