



ZXMBW TP25E

WiMAX Wireless Data Card

User Manual

Version 1.0

ZTE CORPORATION
ZTE Plaza, Keji Road South,
Hi-Tech Industrial Park,
Nanshan District, Shenzhen,
P. R. China
518057
Tel: (86) 755 26771900 800-9830-9830
Fax: (86) 755 26772236
URL: <http://support.zte.com.cn>
E-mail: doc@zte.com.cn

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Publications R&D Department, ZTE CORPORATION, ZTE Plaza, A Wing, Keji Road South, Hi-Tech Industrial Park, Shenzhen, P. R. China 518057.

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About this Manual

Purpose

This manual describes the safety precautions of the ZXMBW TP25E WiMAX wireless data card as well as installation, un-installation, usage and troubleshooting.

To facilitate descriptions, this manual calls the ZXMBW TP25E WiMAX wireless data card as DATA CARD for short. Unless otherwise specified, the DATA CARD mentioned in this manual refers to the ZXMBW TP25E WiMAX wireless data card.

Intended Audience

This document is intended for users of the ZXMBW TP25E WiMAX wireless data card.

Prerequisite Skill and Knowledge

To use this document effectively, users should have a general understanding of wireless telecommunications technology. Familiarity with the following is helpful:

- WiMAX technology
- ZXMBW system and its various components

What is in This Manual

This Manual contains the following chapters:

TABLE 1 CHAPTER SUMMARY

Chapter	Summary
Chapter 1 Safety Instructions	This chapter describes safety instruction while using the Data Card.
Chapter 2 Data Card Overview	This chapter describes the Data Card Introduction, Packing list, Hardware descriptions and Technical indices.
Chapter 3 Data Card Installation and UN-Installation	This chapter describes the Data Card Installation and Un-installation such as System requirements, Hardware installation, Software installation, and Un-installation.
Chapter 4 Data Card Usage	This chapter describes the Data Card Usage Principle such as Starting program, Connecting with network, Interrupting Connections, Viewing logs, Managing Accounts and Passwords, Safely removing data card and etc.
Chapter 5 Common Fault Analysis	This chapter describes the Common faults and solutions.




Conventions

Typographical Conventions

ZTE documents employ the following typographical conventions.

TABLE 2 TYPOGRAPHICAL CONVENTIONS

Typeface	Meaning
Italics	References to other Manuals and documents.
"Quotes"	Links on screens.

Typeface	Meaning
Bold	Menus, menu options, function names, input fields, radio button names, check boxes, drop-down lists, dialog box names, window names.
CAPS	Keys on the keyboard and buttons on screens and company name.
Constant width	Text that you type, program code, files and directory names, and function names.
[]	Optional parameters.
{ }	Mandatory parameters.
	Select one of the parameters that are delimited by it.
	Note: Provides additional information about a certain topic.
	Checkpoint: Indicates that a particular step needs to be checked before proceeding further.
	Tip: Indicates a suggestion or hint to make things easier or more productive for the reader.

Mouse Operation Conventions

TABLE 3 MOUSE OPERATION CONVENTIONS

Typeface	Meaning
Click	Refers to clicking the primary mouse button (usually the left mouse button) once.
Double-click	Refers to quickly clicking the primary mouse button (usually the left mouse button) twice.
Right-click	Refers to clicking the secondary mouse button (usually the right mouse button) once.
Drag	Refers to pressing and holding a mouse button and moving the mouse.

How to Get in Touch

The following sections provide information on how to obtain support for the documentation and the software.

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Chapter 1

Safety Instructions

This chapter explains:

- Personal safety
- Data Card safety
- Precautions

Personal Safety

- The use of RF devices including the DATA CARD may result in interference to some electronic devices (such as some electronic systems in motor vehicles) with poor shielding performance. Therefore, before using the DATA CARD, make sure to consult the manufacturer of such electronic devices.
- When using the DATA CARD beside certain medical devices, such as hearing aids and heart pacemakers, keep the running DATA CARD at least 20 cm away from such medical devices or turn off the DATA CARD when necessary. For any other questions, consult the manufacturer of such devices before the use.
- Pay attention to the use restrictions and regulations in sites with explosive manufacture processes (such as oil warehouse and chemical factory) and those with special requirements (such as hospital).
- During the use of the DATA CARD, do not contact the antenna area unless necessary, to save energy.
- Pay attention to traffic safety. During the driving, obey the related local laws or regulations.
- Keep the DATA CARD out of reach of children, lest they play it as a toy, which may result to personal injury.
- The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types ZXMBW TP25E1 (FCC ID: Q78-ZXMBW-TP25E1) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use when used next to the body in a typical notebook computer with side-mounted PCMCIA port to maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.5cm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Data Card Safety

- You can only use the original accessories or the ones approved by the manufacturer. The use of any unapproved accessory may affect the performance of the DATA CARD, go against the warranty terms or the related national regulations on communication terminal products, and even result in personal injury.
- Do not use this product immediately after drastic temperature change. In this case, condensation may appear inside or outside the device. Do not use it until the condensation is dried.
- Use slightly damp antistatic cloth for cleaning the DATA CARD. Do not use chemical substances such as detergent for cleaning the surface of the DATA CARD.
- All data cards may be interfered with and hence have their performance affected.
- Do not expose your DATA CARD to strong sunshine, to avoid damaging it by excessive heating.
- Try to prevent all kinds of liquid entering the DATA CARD to cause damage.
- Do not throw or knock the DATA CARD, because rough handling may damage the circuit boards inside.
- Do not connect the DATA CARD with any unmatched device.
- Only professionals are allowed to open the DATA CARD; otherwise, personal injury or device damage may occur.
- Do not connect the DATA CARD with any unmatched product.

Precautions

- Before or during sending/receiving a call, note and obey the local laws or regulations on the use of mobile wireless phones.
- The supplement restraint system (SRS), brake, speed control system and fuel injection system are expected to be free from influence of the wireless transmission. For any problem, contact your car dealer.
- When you are refueling or in a site prohibiting the use of bidirectional wireless devices, turn off the DATA CARD. Do not place the DATA CARD with explosive or inflammable objects, to ensure safety.

Turn off the DATA CARD before takeoff of the airplane. During the flight, do not use the DATA CARD to avoid interference with the communication system of the airplane. When the airplane has not taken off, you can use the DATA CARD if you get the approval of the aircrew.

This device should not be co-located or operating in conjunction with any other transmitter or antenna

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.**

Chapter 2

Data Card Overview

This chapter explains:

- Introduction
- Packing list
- Hardware descriptions
- Technical indices

Introduction

The ZXMBW TP25E WiMAX wireless data card is based on the WiMAX network. In places covered by WiMAX signals, it is capable of accessing the broadband Internet at any time and any place, receiving/sending E-mail, and fulfilling such services as IPTV, VoIP and VOD providing to users with extremely free, flexible, fast and convenient Internet access. In this way, it makes your dream of a mobile office come true.

With a PCMCIA interface, the DATA CARD can be conveniently inserted into a laptop such an interface. The PCMCIA interface is used for the external hardware connection of the laptop, with a high transmission speed, easy plugging/unplugging and good compatibility.

Based on the IEEE 8.02.16e standard, the DATA CARD is capable of providing high-speed data access under the mobile environment.

Adopting the PCMCIA interface, the DATA CARD is compact and light. It has sleek appearance and stable performance.

Currently, the DATA CARD can be used in the Windows XP operating system only.

Packing List

Before unpacking the DATA CARD, you must check whether the package is intact. After opening the package, check the objects inside. The following objects are must be contained:

- ZXMBW TP25E WiMAX wireless data card
- Installation CD (with installer for installation at the computer side and instructions)
- User manual
- Quality certificate
- Warranty card
- Antenna

Hardware Descriptions

The appearance of a DATA CARD is shown in Figure 1.

FIGURE 1 DATA CARD



1. LED service indicator light
2. Antenna
3. DATA CARD body
4. PCMCIA Interface

- There is a PCMCIA interface on the DATA CARD, for connecting with the PCMCIA slot on the computer.

Technical Indices

The technical indices of the DATA CARD are listed in Table 4.

TABLE 4 TECHNICAL INDICES

Item	Index
Network parameter	WIMAX 2.5G Hz
Dimensions	About 118 mm×54 mm×5 mm
Weight	About 54 g
Data rate	Maximum rate: 2 Mbps in downlink, 1 Mbps in uplink
Working voltage	3.3V (using the power supply of the laptop)
Current loss	Dormant: 80 mA; Maximum: 800 mA
Maximum transmitting power	22.5 dbm
Highest SAR Value	1.443W/kg (Limit: 1.6W/kg)
Storage conditions	-25℃ to 55 ℃, 10% to 95% humidity
Operation conditions	0℃ to 45℃e, 10% to 90% humidity (non condensing)

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Chapter 3

Data Card Installation and Un-Installation

This chapter explains:

- System requirements
- Hardware installation
- Software installation
- Software un-installation
- Hardware un-installation

System Requirements

Before installing the DATA CARD, make sure that the following three conditions are met:

- Your computer has an available PCMCIA slot.
- The CPU main frequency is at least 1 GHz, the memory is at least 256 MB, and the spare space of the hard disk is at least 100 MB.
- The operating system is Windows XP.

Hardware Installation

ZXMBW TP25E WiMAX adapter works with an external antenna. Fix the antenna on the adapter before insert it into PCMCIA slot on your computer.

Insert the DATA CARD into a vacant PCMCIA slot of your computer.

The hardware installation procedure is as follows:

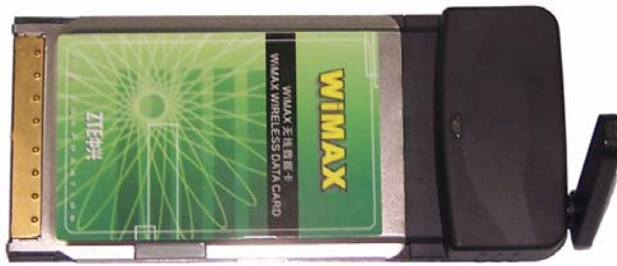
1. Put the antenna aim at the antenna interface in the DATA CARD body, is shown as Figure 2.

FIGURE 2 ANTENNA INSTALLATION



2. Press antenna in to DATA CARD body, is shown as Figure 3.

FIGURE 3 PRESS ANTENNA



3. Press the locker of the PCMCIA slot of your computer, to make the locker automatically bounce out. Then press it to eject the PCMCIA slot protection panel.
4. Take out this panel, and make the pins of the DATA CARD pointing at the PCMCIA slot of the computer, and then slowly push the DATA CARD with appropriate force, as shown in Figure 4.

FIGURE 4 DATA CARD INSERTION INTO A COMPUTER



5. After the DATA CARD and the PCMAIC slot normally join together, you can hear a "tick", as shown in Figure 5.

FIGURE 5 DATA CARD INSTALLATION



Note: If the DATA CARD program has never been installed in the operating system, after the DATA CARD is inserted, the operating system prompts that new hardware is detected and the corresponding applications need to be installed. For the installation of the DATA CARD program, refer to Section Software Installation.

END OF STEPS

Software Installation

If the DATA CARD is used for the first time, install the DATA CARD program for the purpose of normal use.

Attention:

Insert the adapter into the PCMCIA slot on your computer before running the installation wizard. To prevent your adapter from installation failure or hardware damage, do not unplug it when the installation wizard is running.

The installation procedure of the DATA CARD program is as follows:

1. Insert the adapter into the PCMCIA slot before installing adapter driver. If it is the first time you run this installation program, system will pop up a **Found New Hardware Wizard** window as shown in Figure 6, click **Cancel**.

If it is not the first time you run this installation program, system will not pop up any window.

FIGURE 6 ADAPTER IS FOUND



2. Insert the support CD into CD drive. If your computer starts the CD automatically, a **Welcome** page will appear as shown in Figure 7.

Run the autorun.exe at the root directory of CD if it does not start automatically.

FIGURE 7 WELCOME PAGE



Button functions are described in Table 5.

TABLE 5 BUTTON FUNCTION

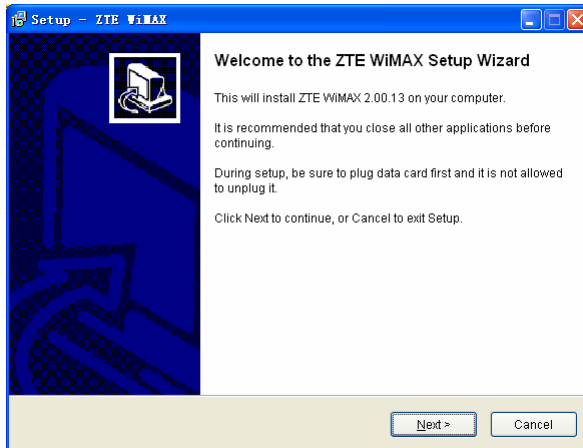
Button	Function
License	Read License
Install Software	Install TP25E Driver and TP25E program
Browse CD	Browse the CD
Exit CD	Exit Install program

3. Click **Install Software** or run the TP25Esetup_xp.exe to install the software.

If no adapter is found, system will pop up a window to ask you to insert the adapter. Click **OK** to cancel the installation. Insert the adapter into the PCMCIA slot to resume the installation program.

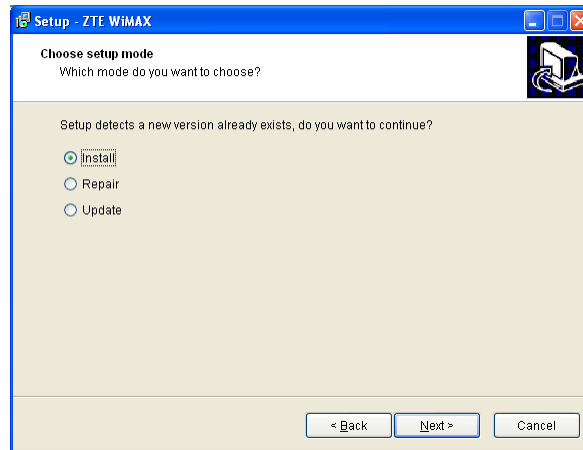
4. If the drive already exists and is running, system will ask you to exit the TP25E software installation. Click **OK** to exit. You can choose to resume the installation from step to.
5. If the software is not running, the **Welcome to the ZTE WiMAX Setup Wizard** page will appear upon clicking install. Click **Next**, as shown in Figure 8.

FIGURE 8 SETUP WIZARD PAGE



6. If any previous installation is detected, three options are available, as shown in Figure 9.

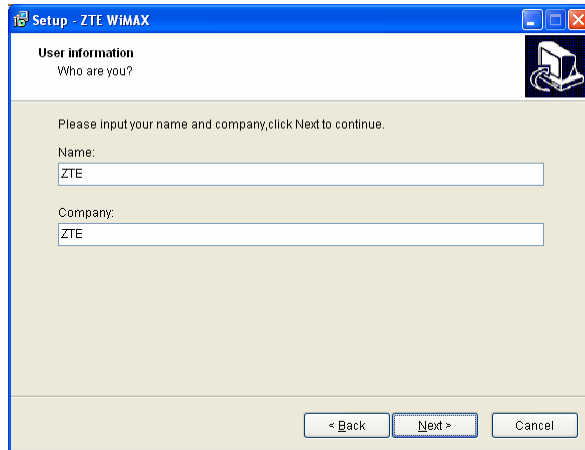
FIGURE 9 SELECT INSTALL MODE



According to system prompt, if the current version is later than the version to be installed, choose **Install**. If the current version has no deference from the version to be installed, choose **Repair**. If the current version is older than the version to be installed, choose **Update**.

Click **Next**. **User Information** page appears, as shown in Figure 10.

FIGURE 10 USER INFORMATION



Setup - ZTE WiMAX

User information
Who are you?

Please input your name and company,click Next to continue.

Name:
ZTE

Company:
ZTE

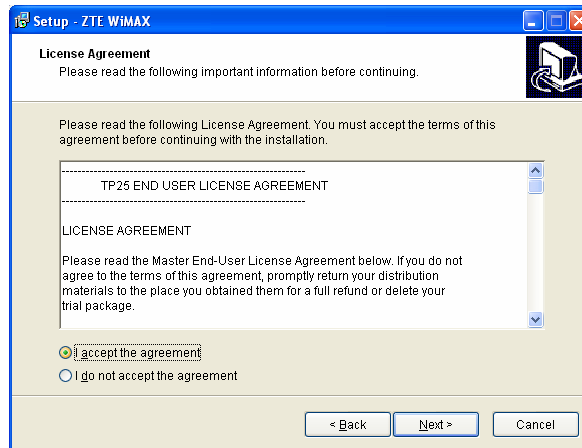
< Back Next > Cancel

Notes:

If no previously installed adapter software is found, the installation wizard will prompt the user with **User information** page directly.

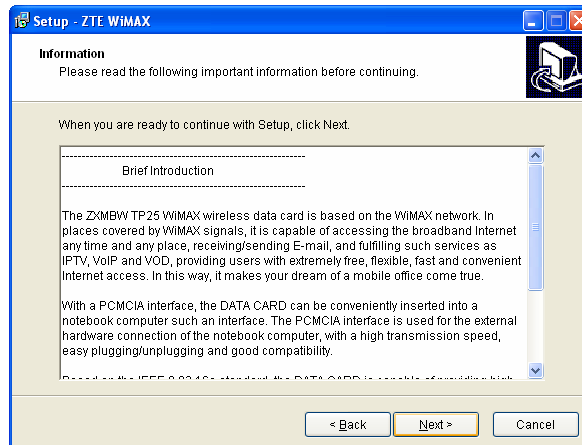
7. Input user information, click **Next**, **License Agreement** appears, as shown in Figure 11.

FIGURE 11 LICENSE AGREEMENT



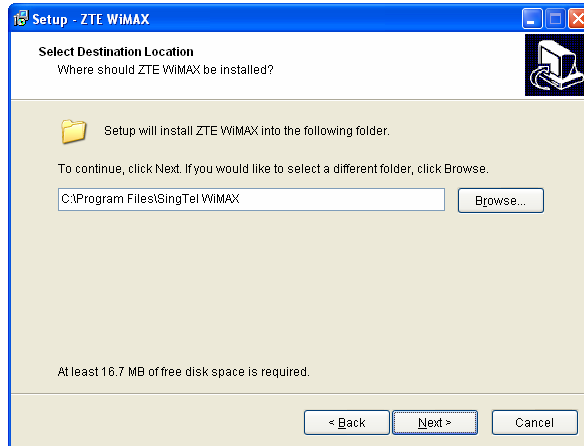
8. Read the agreement carefully and then choose **I accept the agreement**. Click **Next** to show the brief introduction to the software, as shown in Figure 12.

FIGURE 12 THE BRIEF INTRODUCTION TO TP25E



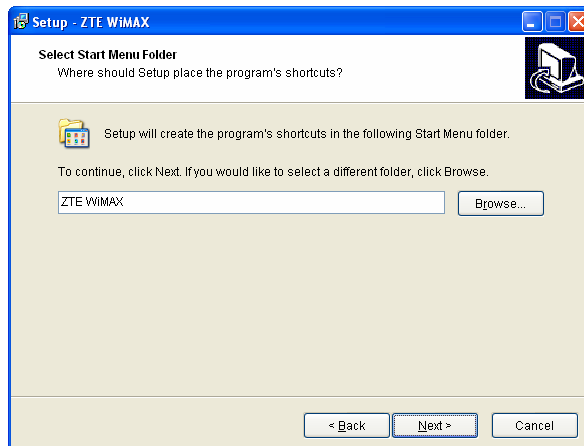
9. Click **Next**, **Select Destination Location** appears, as shown in Figure 13.

FIGURE 13 SELECT DESTINATION LOCATION



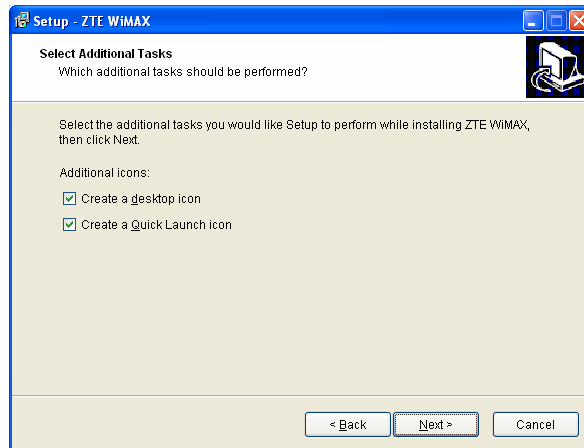
10. Input or choose the directory for installation, click **Next**, **Select Start Menu Folder** Name appears, as shown in Figure 14.

FIGURE 14 SELECT START MENU FOLDER NAME



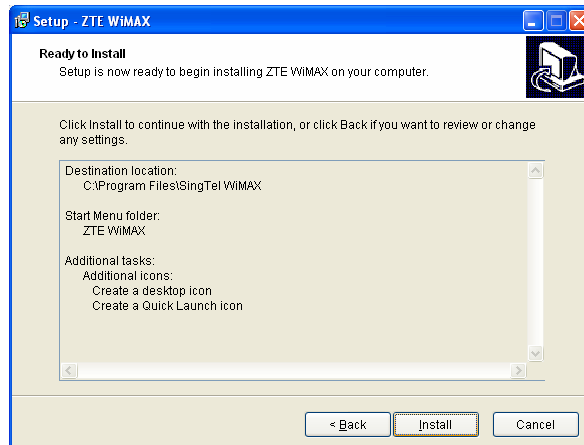
11. Click **Next**, **Select Addition Task** page appears, as shown in Figure 15.

FIGURE 15 SELECT ADDITION TASK



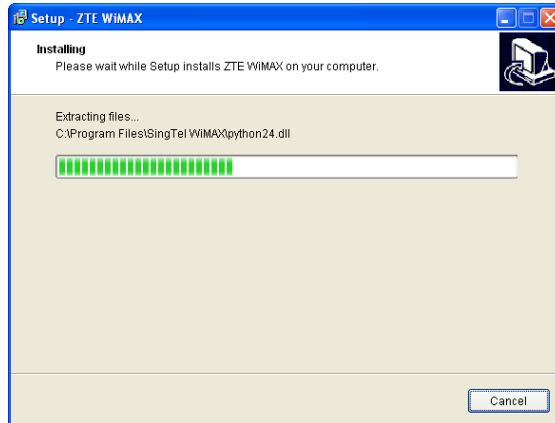
12. Select **Create a desktop icon** and **Create a Quick Launch Icon**, and then click **Next**, Ready to Install page appears, as shown in Figure 16.

FIGURE 16 READY TO INSTALL



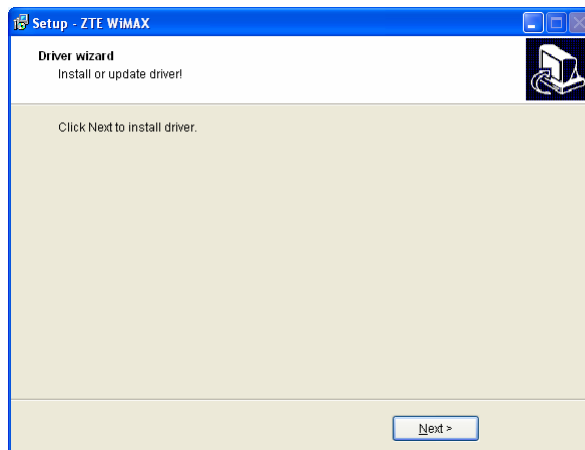
13. Click **Install**, status bar appears as shown in Figure 17.

FIGURE 17 INSTALLATION STATUS



14. Upon completion of user software installation, **Adapter drive installation** page appears, as shown in Figure 18.

FIGURE 18 ADAPTER DRIVE INSTALLATION

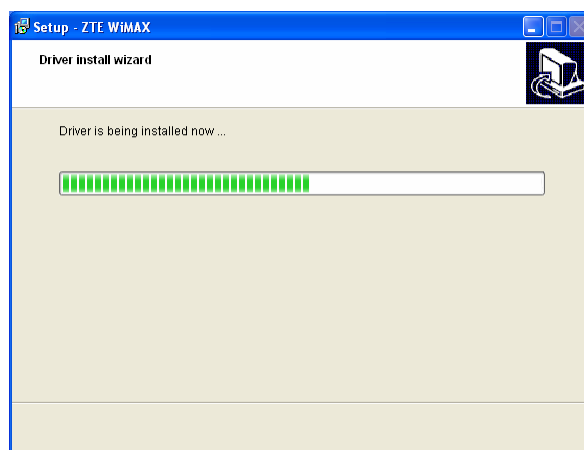


15. Click Next, **Found New Hardware Wizard** page may appear. Click **Cancel** to close the page.

16. A warning message will appear as shown in Figure 19. Make sure you click **Continue Anyway** to continue the installation.

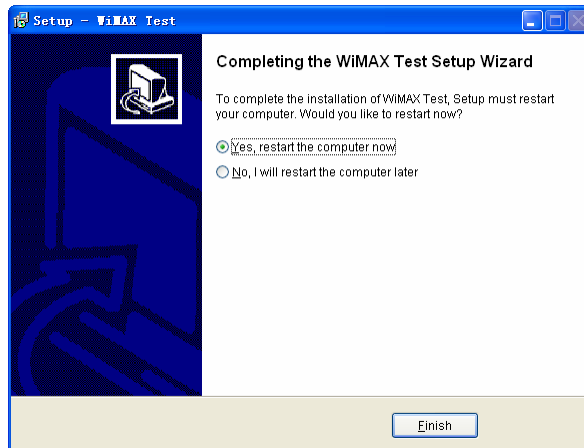
FIGURE 19 WARNING MESSAGE

17. Click **Continue Anyway** and then Driver install wizard page appears, as shown in Figure 20.

FIGURE 20 DRIVER INSTALL WIZARD

18. Installation completion page is shown in, as shown in Figure 21.

FIGURE 21 INSTALLATION COMPLETION

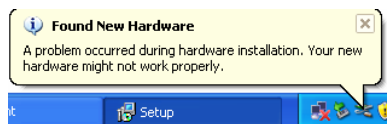


19. Click **Finish**, reboot Windows, complete driver installation.

END OF STEPS

Caution:

In the installation or after installation, maybe you will be prompted by the following message.



You can simply ignore this message, if the installation fails, the following warning message will appear.



Reboot your computer before reinstall the adapter drive.


After Finished installation, You must reboot Windows system.


Software Un-Installation

When DATA CARD is not required any more or need to re-install the DATA CARD program, un-install the DATA CARD program.

The un-installation procedure of the DATA CARD program is as follows:

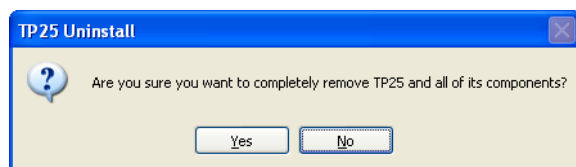
1. If the DATA CARD program is running, you should shut it down.

When the DATA CARD program is running, the tray icon  is displayed at the lower right corner of the Windows interface.

Right-click  and select **Exit** in the shortcut menu, to shut down the DATA CARD program.

2. In the Windows interface, select Start > Program Files > ZTE WiMAX > Uninstall TP25E, to enter the un-installation confirmation window, as shown in Figure 22.

FIGURE 22 UN-INSTALLATION CONFIGURATION



1. Click **Yes** to un-install the DATA CARD program and driver.
2. At the end of the un-installation, click **Finish**.

END OF STEPS

Caution:

Insert the adapter into slot before running uninstall wizard. Otherwise, system will ask you to do so.

Hardware Un-Installation

For the descriptions of the hardware un-installation, refer to the Section: Safely Removing Data Card.

Chapter 4

Data Card Usage

This chapter explains:

- Starting Program
- Connecting with network
- Interrupting connection
- Viewing logs
- Managing accounts and passwords
- Displaying help information
- Exiting
- Safely removing data card

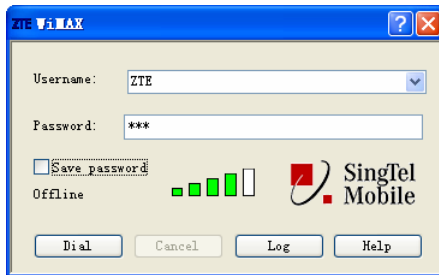
Starting Program

After the DATA CARD program is successfully installed, the **Start > Program Files > ZTE WiMAX** program group is added in the start menu of the Window system, and the **ZTE** shortcut icon is also added on the Windows desktop.

Select **Start > Program Files > ZTE WiMAX > ZTE WiMAX**, or double-click **ZTE** on the Windows desktop, to start the DATA CARD program.

After the DATA CARD program is started, the window shown in Figure 23 appears.

FIGURE 23 DATA CARD PROGRAM MAIN WINDOW



After the DATA CARD program is started, the corresponding tray icon is displayed at the lower right corner of the Windows interface. The buttons in the main window and their functions are described in Table 6. The tray icons in different status and their meaning are described in Table 7.

TABLE 6 BUTTONS AND FUNCTIONS








Button Icon	Meaning
Username	Input or Select username from list
Password	Input password
Save Password	Select this check box for saving password
	Login
	logout
	View the log
	View the help

TABLE 7 TRAY ICONS AND MEANINGS

Icon	Meaning
	The DATA CARD is not inserted or is unavailable.
	The network is not accessed or the connection is interrupted.
	The network is connected successfully.

The functions of the tray icons of the DATA CARD program are described in Table 8.


TABLE 8 FUNCTIONS OF TRAY ICONS

Operation	Function
Double-click the tray icon	Activating the application software and displaying the main window of the DATA CARD program
Right-click the tray icon	Displaying the shortcut menu. The shortcut menu items and their meanings are as follows: Open: Activating the application software and displaying the main window of the DATA CARDprogram Connect: Entering the login window Disconnect: Canceling this login Exit: Interrupting the connection and closing the application interface

Connecting with Network

After the DATA CARD program is started, you need to logging in the network and pass the authentication before normally accessing the Internet.

The network login procedure is as follows:

1. Click **Start > Program Files > ZTE WiMAX > TP25E** to start the DATA CARD program.
2. If the network status is Offline, but DATA CARD has detected the wireless signal, the signal intensity has been shown as , see Figure 24.


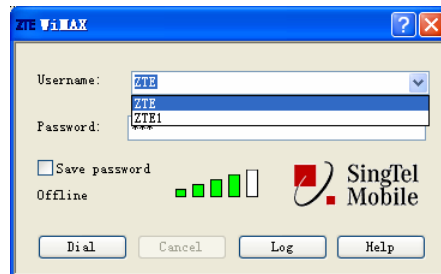

If the main window is hidden, you can double-click  to show it.

FIGURE 24 NETWORK LOGIN



3. Enter the login account or select an account used in the **Account** pull-down list box, enter the corresponding password, and click . The program starts connecting with the network.


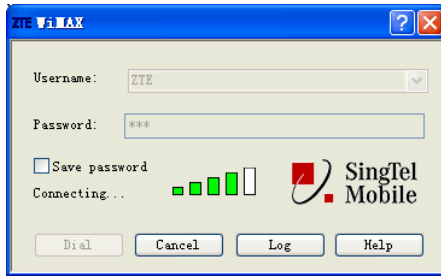
After the connection succeeds, the main window of the DATA CARD program displays **Status: Connected** as well as the data volume and connection duration, as shown in Figure 25. At the same time, the tray icon turns to .

FIGURE 25 INTERNET ACCESS STATUS

Now you can enjoy the WiMAX broadband wireless Internet access.




Note: To save the account and the password, you need to check Save Password before clicking **Dial**. After this operation, you do not need to enter the password again in the next network login.


END OF STEPS

Interrupting Connections

After the successful login, exit the network connection to end this Internet access.

The network logout procedure is as follows:

1. In the login status window shown in Figure 25, click  to enter the logout confirmation dialog box.
2. Click **Yes** to cancel the network login.

After the above operations, the tray icon of the DATA CARD applications turns into , and the main window displays **Status: Disconnected**.

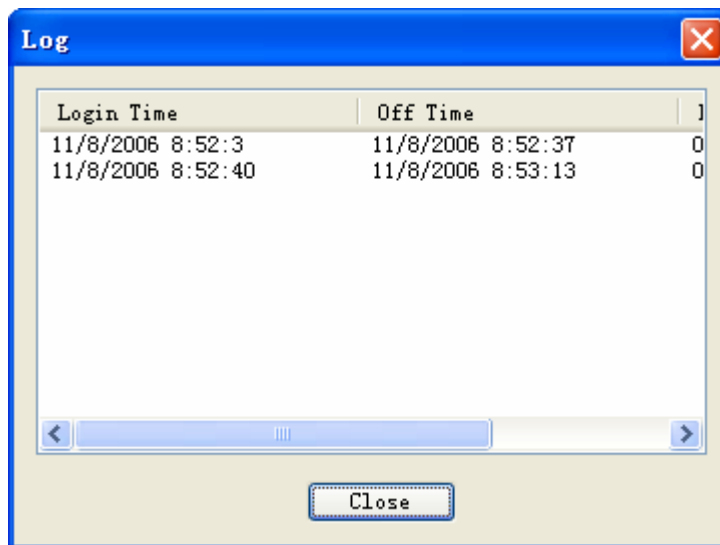
Viewing Logs

After logging in to the network successfully, you can view the Internet access information records of the current account, such as login time, logout time and connection duration.

The detailed operations are as follows:

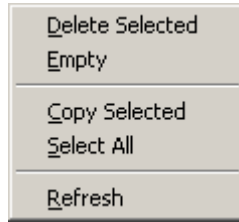
1. In the login status window shown in Figure 25 click to enter the Internet access log window as shown in Figure 26.

FIGURE 26 INTERNET ACCESS LOG



2. Right-click on the recording area to display the operation menu for this log as shown in Figure 27.

FIGURE 27 INTERNET ACCESS LOG OPERATION MENU



The functions of this menu are described in Table 9.

TABLE 9 MENU AND MEANINGS

Icon	Meaning
Delete Selected	Deleting the selected record
Empty	Clearing the recorded table items
Copy Selected	Copying the selected record
Select All	Selecting all records
Refresh	Refreshing the recording table

END OF STEPS

Managing Accounts and Passwords

In the login window, you can perform simple operations to the login accounts and the passwords, such as saving an account and a password or deleting the selected account and password.

After saving the account and password, you do not need to enter such information again in the next login operation. Instead, you only need to select the account from the pull-down list box. Deleting an account and a password means to delete the saved account and password.

The procedure of saving an account and a password is as follows:

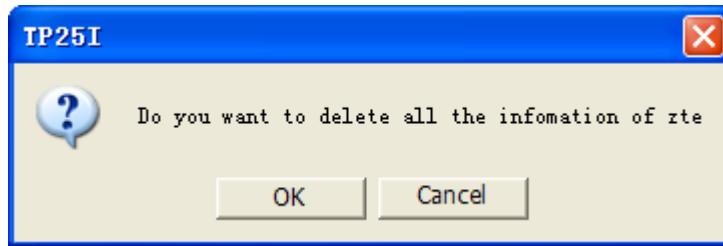
1. Select **Start > Program Files > ZTE WiMAX > TP25E** to start the wireless network card program and enter the main window.
2. Enter the account and the password, and then check **Save Password**.
3. Click **Dial**.

END OF STEPS

The procedure of deleting an account and a password is as follows:

1. Select **Start > Program Files > ZTE WiMAX > TP25E** to start the wireless network card program and enter the main window.
2. In the **Account** pull-down list box, select the account to be deleted, and right-click it to select **Delete Account**. The deletion confirmation dialog box pops up, as shown in Figure 28.

FIGURE 28 ACCOUNT DELETION CONFIRMATION



3. Click **OK** to delete the selected account.

END OF STEPS

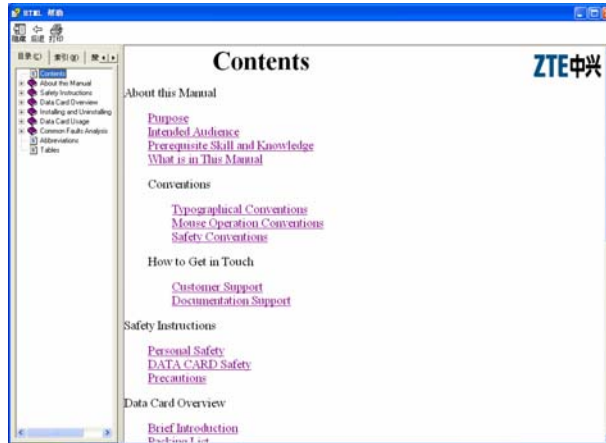
Displaying Help Information

Displaying the help information means to view the on-line help information of the DATA CARD program.

The detailed operations are as follows:

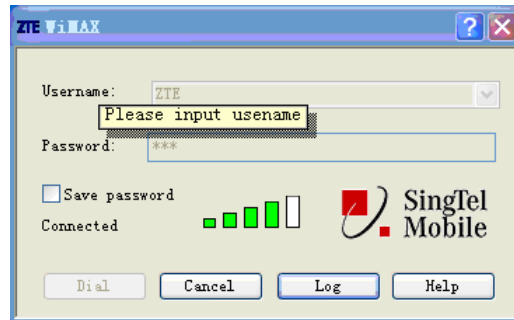
Click  on the main window of the DATA CARD program.

FIGURE 29 VIEW HELP



Click ? in the windows, then move mouse to the control, and click, will show the control prompt, as show in Figure 30.

FIGURE 30 VIEW THE PROMPT



END OF STEPS

Exiting

'Exiting' means exiting the DATA CARD program.

The detailed operations are as follows:


Right-click  to select **Exit**.

After you exiting the program, the tray icon of the DATA CARD program disappears from the lower right corner of the Windows interface.

Safely Removing Data Card

Usually, the DATA CARD is inserted into the PCMCIA slot of the computer when necessary. At the end of the use, you need to remove it from the PCMCIA slot of the computer and save it properly.

The procedure of safely removing the DATA CARD from the laptop is as follows:

1. If the DATA CARD program is running, you should shut it down first. For the detailed operations, refer to Section Exiting.
2. Click  to select **ZTE Corporation WiMAX.Data Card** in the shortcut menu.
3. Click **OK** in the pop-up dialog box for confirming the hardware removing.
4. Press the PCMCIA locker, and remove the DATA CARDI
5. Install the protection panel of the PCMCIA slot.
6. Remove antenna from the DATA CARD body.

END OF STEPS

Chapter 5

Common Fault Analysis

This chapter explains:

- Common Faults and Solutions

Common Faults and Solutions

If DATA CARD gets defective, refer to Table 10 for handling and troubleshooting. If the information in Table 10 cannot help, you can contact the local technical support staff of ZTE.

TABLE 10 DATA CARD'S COMMON FAULTS AND HANDLINGS

Symptom	Possible Cause	Solution
The DATA CARD receives no signal after the computer is restarted.	<p>The antenna angle is not appropriate.</p> <p>You are out of the coverage of the WiMAX network, for example, in an underground parking lot or tunnel.</p> <p>The DATA CARD is not inserted properly.</p>	<p>Adjust its antenna angle that affects strength of received signals.</p> <p>Move to the site with sound network signal.</p> <p>Unplug and then plug the DATA CARD again in a right way.</p>
The laptop cannot detect the DATA CARD, in the installation of the DATA CARD.	<p>The installer of the DATA CARD is not correctly installed.</p> <p>The DATA CARD is not inserted properly.</p>	<p>Run the installer at first, and then insert the DATA CARD. If you are using the Windows XP operating system, operate following the Windows wizard, to install the installer.</p> <p>Restart the computer and then insert the DATA CARD again.</p>
The data connection fails.	<p>You are out of the coverage of the WiMAX network, for example, in an underground parking lot or tunnel.</p> <p>The network in this area at this time is busy.</p> <p>You entered the login user name or password incorrectly.</p>	<p>Move to the site with sound network signal.</p> <p>Try again after a while.</p> <p>Perform login again with the correct user name and password.</p>

Symptom	Possible Cause	Solution
Unable to open any website after accessing the Internet.	The IE browser gets faulty. The system is infected with virus (for example, Worm Blaster occupies huge uplink traffic so that you cannot receive the downlink traffic and cannot open any website).	If the IE browser is faulty, update it to a higher version or reinstall it. Apply professional anti-virus software to the whole operating system.
Unable to access the Internet when roaming	The roaming function of your DATA CARD has not been enabled.	Contact the operator of the area where your DATA CARD was purchased.

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Appendix A

Abbreviations

Abbreviation	Full name
AMC	Adaptive Modulate Code
ARQ	Automatic Repeat reQuest
BBUA	Agile Base Station Baseband Unit
BSS	Base Station System
BSC	Base Station controller
CN	Core Network
CPU	Center Processing Unit
MIMO	Multi Input Multi Output
MES	Multi Extension Subsystem
IEEE	Institute of Electrical and Electronics Engineers
IPTV	Internet Protocol Television
OFDMA	orthogonal frequency division multiplexing access
PC	Personal Computer
PCMCIA	Personal Computer Memory Card International Association
WiMAX	Worldwide Interoperability for Microwave Access
RA25	Agile 2.5G Remote Radio Frequency Unit
SS	Subscriber Station
VOD	Video-On-Demand
VoIP	Voice over Internet Protocol

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