

## **Wonderful Communication, Mobile Life**

Thank you for choosing Huawei EC321 Data Card from Huawei Technologies Co., Ltd.

HUAWEI EC321 Data Card

User Manual

**Copyright © 2007 Huawei Technologies Co., Ltd.**

## **All Rights Reserved**

No part of this manual may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

## **Trademarks**



and HUAWEI are trademarks of Huawei Technologies Co., Ltd. All other trademarks mentioned in this manual are the property of their respective holders.

## **Notice**

The information in this manual is subject to change without notice. Every effort has been made in the preparation of this manual to ensure accuracy of the contents, but all statements, information, and recommendations in this manual do not constitute the warranty of any kind, expressed or implied.

## Safety Precautions

Before using the wireless data card, read the safety precautions carefully and also let your children know these, so that you can use your wireless data card correctly and safely. For details, refer to "Warnings and Precautions."



Do not switch on your wireless data card when it is prohibited to use wireless device or when the wireless data card may cause interference or danger.



Do not use your wireless data card while driving.



Follow any rules or regulations in hospitals and health care facilities. Switch off your wireless data card near medical apparatus.



Switch off your wireless data card in aircraft. The wireless data card may cause interference to control signals of the aircraft.



Switch off your wireless data card near high-precision electronic devices. The wireless data card may affect the performance of these devices.



Do not attempt to disassemble your wireless data card or its accessories. Only the qualified personnel is allowed to service or repair the wireless data card.



Do not place your wireless data card and its accessories in containers with strong electromagnetic field.



Do not place magnetic storage media near your wireless data card. Radiation from the wireless data card may erase the information stored on them.



Do not put your wireless data card in a high-temperature place or use it in a place with flammable gas such as a gas station.



Keep your wireless data card and its accessories away from children. Do not allow children to use your wireless data card without guidance.



Observe any laws or regulations on the use of wireless data cards. Respect others' privacy and legal rights when using your wireless data card.

---

# Contents

1 Overview .....	1
2 What Is in Your Packing Box.....	3
3 Getting to Know Your EC321 .....	5
4 Getting Started.....	7
Computer Configuration Requirements .....	7
Preparing the EC321.....	7
5 Installation Guide .....	9
Installing the EC321 Manager.....	9
Removing the EC321 .....	10
Uninstalling the EC321 Manager .....	10
6 The EC321 Manager GUI Description .....	11
Accessing the EC321 Manager GUI .....	11
Exiting the EC321 Manager .....	11
Introduction to the Main Interface .....	12
7 Menu.....	15
8 Internet Service .....	17
Network Connection Settings.....	17
Accessing the Internet .....	18
Volume Statistic .....	18
9 Call Service .....	21
Making a Call .....	21
Answering a Call .....	23
Supplementary Services .....	23
Volume Adjustment and Mute .....	24
Shortcut Keys for Call Service.....	24
10 SMS.....	25
Sending and Receiving a Message.....	25
Message Storage Management .....	33
SMS Settings .....	34

# Contents

11 Managing Your Contacts .....	37
Managing the Items in the Contacts .....	37
Importing/Exporting a Contact .....	39
12 Call Logs .....	41
Missed Calls .....	41
Received Calls .....	42
Dialed Calls .....	43
13 PC Fax .....	47
14 Settings and Information Query .....	49
PIN Code Management .....	49
System Settings .....	50
Diagnostics .....	52
15 Technical Parameters .....	53
16 FAQs on the EC321 Data Card .....	55
17 Warnings and Precautions .....	57
Electronic Device .....	57
Hospital .....	57
Area with Flammables and Explosives .....	57
Traffic Safety .....	58
Storage Environment .....	58
Children Safety .....	58
Operating Environment .....	59
Cleaning and Maintenance .....	59
Environmental Care .....	59
Emergency Call .....	60
Exposure to Electromagnetic Energy .....	60
18 Abbreviations and Acronyms .....	61

# 1 Overview

Thank you for choosing Huawei EC321 Data Card (hereinafter referred to as the EC321).  
With the EC321, you can easily:

- Access the Internet.
- Make and answer calls.
- Send and receive messages.
- Use the contacts.
- Use the call logs service.

# 2

## What Is in Your Packing Box

Your EC321 packing box includes:

- An EC321 data card.
- An earphone.
- A CD which contains a PDF document of user manual and a setup program.
- A quick start guide.

# 3

## Getting to Know Your EC321

The following is an illustration of your EC321.



### Note:

This is a sketch of the EC321. Your EC321 may be different. It is subject to your actual one.

### Antenna

The EC321 adopts a built-in antenna that can be pulled out and adjusted in any directions. When using the EC321, you can adjust the angle of the antenna according to the actual signal reception situation so as to reach a most favorable signal reception quality.



### 3 Getting to Know Your EC321

#### Warning:

After pulling out the data card antenna, do not bend it at will. Otherwise, the antenna might be damaged and cannot receive network signals.

#### Earphone Jack

Insert your earphone into the jack on the EC321 when you use the call service.

#### Indicator

The LED indicates the status of your EC321. Normally, the indicator is green.

Indicator status	Meaning
The indicator is off.	The EC321 is disabled.
The indicator is on all the time.	The EC321 is starting.
Single-flash: The indicator is flashing every two seconds.	<ul style="list-style-type: none"><li>• The EC321 is searching the network.</li><li>• The EC321 cannot find the network and needs to authenticate by the PIN or unlock by the PUK.</li></ul>
Double-flash: The indicator is flashing two times every two seconds.	The EC321 is in the standby or conversation mode.
Quick flash: The indicator is flashing quickly with an interval of 0.1 second.	There is an incoming call and the tone is ringing; or the EC321 is transferring data by the data service.

# 4 Getting Started

## Computer Configuration Requirements

---

To use the EC321, the following requirements are recommended for your computer:

- CPU: Pentium 4, 1 GHz or above
- Memory: 256 MB RAM or above
- Hard Disk: 50 MB free disk space
- OS: Windows XP, Windows 2000 or Windows Vista operating system
- Data Card Interface: A type II PCMCIA Card slot, supporting CARDBUS
- Display Resolution: 800 by 600 pixels or above (1024 by 768 pixels is recommended.)

**Note:**

If the configuration of your computer is inferior to the recommended configuration, the running performance of the data card software may be affected.

## Preparing the EC321

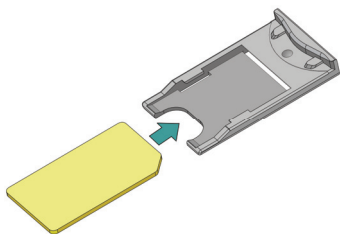
---

**Note:**

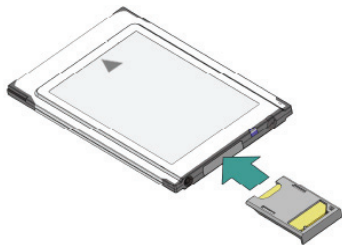
Whether a UIM card needs to be installed in your EC321, consult your network operator.

1. Take out the EC321 from the protective cover.
2. Take out the UIM card slot from the EC321 and place the UIM card into the slot, as shown in the following figure. Make sure that the UIM card is fully in place.

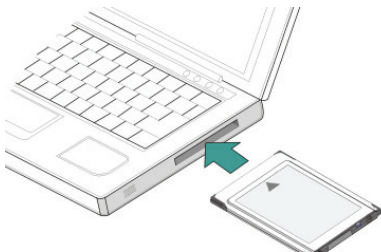
## 4 Getting Started



3. As shown in the following figure, place the slot into the EC321.



4. Insert the EC321 with the UIM card into the PCMCIA slot of your computer.



# 5 Installation Guide

The installation process is subject to different operating systems, such as Windows XP, Windows 2000 and Windows Vista. During the actual installation, if any step differs from what is described here, follow the specific installation instructions. The following sections take Windows XP as an example.

## Note:

Make sure that the EC321 Manager has been installed before the EC321 card is inserted into the computer.


## Installing the EC321 Manager

---

1. Put the EC321 CD into the CD-ROM drive.
2. The setup program starts automatically, and the EC321 installation interface is displayed later.

## Note:

If the auto-run program does not start, double-click the **Setup.exe** file in the drive path and then the program is running.


3. The **Choose Language** dialog box appears. Select an installation language and click **OK**.
4. Follow the instructions of the program.
5. Once the installation completes, the shortcut icon  for the EC321 Manager appears on the desktop.
6. When the system prompts you that the installation is finished, click **Finish** to finish the installation of the EC321 driver.

### Removing the EC321

---

If you want to remove the EC321 from the computer, do it after having stopped it through the hardware removing feature provided by Windows.

When removing the EC321 from your computer, follow the procedure below:

1. Double-click  on the lower right corner of your interface. A dialog box of "Safely Remove Hardware" will pop up.
2. Select **NEC PCI to USB Open Host Controller**, and then execute the operation of stopping the use of the EC321.
3. When the system prompts you that it is safe to remove the device, pull out the EC321.

### Uninstalling the EC321 Manager

---


Uninstall the EC321 Manager through the **Add/Remove** function of Windows.

# 6

## The EC321 Manager GUI Description

### Accessing the EC321 Manager GUI

---

1. To start the program, double-click the shortcut icon  of the EC321 Manager on the desktop.
2. If you are prompted to enter the Personal Identification Number (PIN) code, enter the correct one and click **OK**.  
You can try three times to enter your PIN code. If you failed to do that after three times, your UIM card would be locked. If this happens, use the PIN Unlocking Key (PUK) code to unlock it.  
You can try 10 times to enter your PUK code. If you failed to do that after 10 times, your UIM card cannot be used. If this happens, contact your network operator.
3. When you failed to enter the PIN code or the PUK code, you can click **Cancel** to skip over the authentication of the PIN code. Then, the functions related to the UIM card such as connecting to the Internet, making and answering calls, sending and receiving text messages, and reading the messages recorded in the UIM card are not available for you. However, you can still make emergency calls.  
The PIN code and the PUK code are provided by your operator. For information about how to modify and enable/disable your PIN code, refer to "PIN Code Management."

### Exiting the EC321 Manager

---

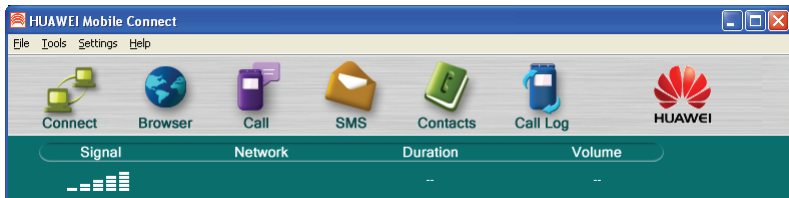
Select **File > Exit** and you can perform the following operations:

- Select **Quit application** to exit the EC321 Manager.
- Select **Shut down device** to exit the EC321 Manager and stop the data card. If you want to re-access the network service, plug and insert the device again.

## Introduction to the Main Interface

### Main Interface Overview

The initial interface after the EC321 manager starts is as follows.









When you maximize the interface, it is displayed as follows.



### Shortcut Icons and Keys

The following table describes the shortcut icons and keys provided by the EC321 Manager.

Shortcut icon/key	Description
F1	Access the online help.
 /F2	Connect to/Disconnect from the network.
 /F3	Start the default Internet browser in your operating system.
 /F4	Access the <b>Call</b> interface.
 /F5	Access the <b>SMS</b> interface.
 /F6	Access the <b>Contacts</b> interface.
 /F7	Access the <b>Call Log</b> interface.

### Status Information on the Interface

The status information displayed on the interface depends on the service that is going on. All the status and the descriptions are listed as follows.

The following table lists the status information when the interface is being initialized and in minimized status.

Status information	Description
Signal strength	Displays the current network type and signal strength. The larger the number of the bars is, the stronger the signal is.
Network	Information about the network status.
Duration of this connection	Displays the duration of the current data connection.
Volume of this connection	Displays the volume of the current data connection.

The following table lists the status information when the interface is maximized.

Status information	Description
Signal strength	Indicates the current network type and signal strength.
Network	The information about the network status.



Status information	Description
Connection	<ul style="list-style-type: none"> <li>• The duration of the current connection.</li> <li>• The data volume of the current connection.</li> <li>• The volume, rate and the top rate of the current sending and received data.</li> </ul> <p><b>Note:</b></p> <p>When a prompt for hibernate appears here, it indicates the data service is in hibernate status, and you can answer and make calls.</p>
Missed calls	Displays the number of missed calls that have not been viewed in real-time. If there are any missed calls, the number blinks.
New messages	Displays the number of new messages in real-time. If there are any new messages, the number blinks.
New SMS reports	Displays the number of new SMS reports in real-time. If there are any new SMS reports, the number blinks.
Voice mail waiting	Displays the number of voice mail waiting in real-time.

# 7 Menu

- 1 File
  - 1.1 Connect/Disconnect
  - 1.2 Import Contacts from File
  - 1.3 Export Contacts to File
  - 1.4 Contacts Storage Manager
  - 1.5 SMS Storage Manager
  - 1.6 Exit
- 2 Tools
  - 2.1 Open Browser
  - 2.2 Call
  - 2.3 SMS
  - 2.4 Contacts
  - 2.5 Call Log
  - 2.6 Volume Statistic
  - 2.7 Diagnostics
- 3 Settings
  - 3.1 Modify PIN Code
  - 3.2 PIN Code Protection
    - 3.2.1 Validate
    - 3.2.2 Enable
    - 3.2.3 Disable
  - 3.3 Options

## 7 Menu

3.4 SMS Settings

3.5 Network Connection Settings

## 4 Help

4.1 Help Topics

4.2 HUAWEI Online Support

4.3 About

# 8

## Internet Service

### Network Connection Settings

---

#### Creating a Profile

Select **Settings** > **Network Connection Settings** on the menu bar.

Step	Action
1	Click <b>New</b> .
2	Enter a new profile name in the <b>Profile name</b> field.
3	Enter required relevant information for the settings.
4	Click <b>Save</b> to finish.

#### Note:

- If you use the High-speed Packet Data Service to access the internet, enter #777 into the phone number. For more information, consult the network operator.
- If you use the Low-speed Data Service Access to access the internet, consult the network operator for all the information to be entered.

#### Deleting a Profile

Select **Settings** > **Network Connection Settings** on the menu bar.




Step	Action
1	In the <b>Choose Profile Name</b> field, select a profile to delete.
2	Click <b>Remove</b> .

### Modifying a Profile

Select **Settings** > **Network Connection Settings** on the menu bar.

Step	Action
1	In the <b>Choose Profile Name</b> field, select a profile to modify.
2	Click <b>Modify</b> .
3	Modify the profile.
4	Click <b>Save</b> .

### Accessing the Internet

Step	Action
1	Select <b>Settings</b> > <b>Network Connection Settings</b> . Choose a profile and click <b>OK</b> .
2	Click  to set up a connection.
3	When the connection is set up, click  or start the browser on your computer, and then you can access the Internet.
4	Click  to disconnect from the network.

Once the connection is established, the following detailed information about the network connection is displayed on the main interface:

- The duration of the current connection
- The data volume of the current connection
- The volume, rate and the top rate of the current sending and received data

### Volume Statistic

You can view the content of the volume statistic.

Select **Tools** > **Volume Statistic** on the menu bar:

- **Last Volume Statistic:** The volume of the last connection with the Internet, including sent and received volume statistic values and the duration of the connection.

- **Total Volume Statistic:** The total volume of all connections since the last reset, including sent and received volume statistic values and the duration of the connections.
- **Last Reset Time:** Recording the time of your reset.
- **Reset:** You can click it to clear the last volume statistic information and the total volume statistic information.

**Note:**

The above data of volume statistic is for your reference only.

# 9 Call Service

When you use the call service, you need to insert the earphone to the earphone jack on the EC321.

## Note:

- You can use the control key on the earphone to answer or reject an incoming call conveniently.
- When there is an incoming call, you can press the control key to answer it.
- When there is an incoming call, you can press and hold the control key to reject it.
- During a call, you can press and hold the control key to end the call.




## Making a Call

---



The EC321 provides many easy and quick ways to make calls.

### Entering a Telephone Number Directly

You can make a call by entering a telephone number directly.




Step	Action
1	Click  or select <b>Tools &gt; Call</b> to display the <b>Call</b> interface.
2	Enter a telephone number by one of the following ways: <ul style="list-style-type: none"><li>• Type the number directly on the keyboard of your computer.</li><li>• Click the telephone keypad on the Call interface.</li></ul>
3	Click  to make a call.
4	Click  to hang up.

### Note:

You can press  to delete the number on the call interface digit by digit. You can press and hold  to clear the whole number. You can also press the backspace key to do this.




### Selecting a Telephone Number in the Contact List

You can make a call by selecting a telephone number in the contact list.

Step	Action
1	Click  or select <b>Tools</b> > <b>Call</b> to display the <b>Call</b> interface.
2	Click  , and the <b>Contacts</b> interface is displayed. Double-click a contact or select a contact and then click <b>Call</b> . <ul style="list-style-type: none"><li>• If only one number in the selected contact, the number is displayed on the <b>Call</b> interface and dialed out.</li><li>• If two or more number(s) in the contact, double-click the selected number in the pop-up <b>Select Phone Number</b> interface or click <b>Call</b> after selecting the number. The selected number is displayed on the <b>Call</b> interface and dialed out.</li></ul>
3	Click  to hang up.

### Selecting a Recently Dialed Number

You may make a call by selecting a number from the recently dialed numbers.

Step	Action
1	Click  or select <b>Tools</b> > <b>Call</b> to display the <b>Call</b> interface.
2	Click  to display a list of 10 recently dialed numbers. Double-click the selected number or click <b>Call</b> after selecting the number. Then the number is dialed out.
3	Click  to hang up.






## Answering a Call

The default alert mode of the EC321 for incoming calls is by sound. You can select **Settings > Options** to set the mode. You can select the sound alert or display alert. For details, refer to "System Settings."

When you have any missed calls, the amount of missed calls is displayed in real-time under the status information on the main interface.

### With the Setting of Sound Alert

When there is an incoming call, you can hear the sound alert.

Step	Action
1	Click  or select <b>Tools &gt; Call</b> to display the <b>Call</b> interface.
2	Click  to answer a call.
3	Click  to hang up.

### With the Setting of Display Alert

An alert window is displayed when there is an incoming call. You can choose to the options in the following table.

Option	Description
Click <b>Answer</b>	Answer the call.
Click <b>Reject</b>	Reject the call.

## Supplementary Services

The EC321 data card supports the following supplementary services:


- Call forwarding (Busy)
- Call forwarding (Default)
- Call forwarding (No Answer)
- Call forwarding (Unconditional)
- Call waiting
- Three-way calling





## 9 Call Service

- Caller ID display
- Conference Call

To use the supplementary services, you need the operator to enable them. For details of the operation, consult the network operator.




### Volume Adjustment and Mute

Click  or select **Tools > Call**. Then the **Call** interface is displayed. You can adjust the volume at any time. You can also mute your voice so that the person you are talking to cannot hear you even though the line is still active.

- To increase the volume, press .
- To decrease the volume, press .
- To mute your voice, press .
- To resume normal talk, press .

### Shortcut Keys for Call Service

The following table lists the shortcut keys and their functions.


Shortcut keys	Description
<b>Enter</b>	<ul style="list-style-type: none"><li>• After entering a call number, press <b>Enter</b> to make the call.</li><li>• Press <b>Enter</b> to answer an incoming call.</li></ul>
<b>Ctrl + B</b>	The shortcut key for  .
<b>Ctrl + D</b>	The shortcut key for  .
<b>Ctrl + H</b>	The shortcut key for  .
<b>Ctrl + +/-</b>	The shortcut key for volume adjustment.

# 10 SMS

## Sending and Receiving a Message

---

### Writing a New Message

Click  or select **Tools > SMS**, Then the **SMS** interface is displayed.

Step	Action
1	Click <b>Write</b> and the <b>Write</b> interface is displayed.
2	<p>Enter the telephone number(s). You can enter one or more number(s) by one of the following ways:</p> <ul style="list-style-type: none"><li>• To enter one or more numbers directly: In the <b>Contacts</b> textbox, enter the numbers separated by semicolons ";".</li><li>• To select a number from the contacts: Click <b>Contacts</b>. Select one or more contact(s) and click <b>OK</b>. Select the number to send a message in the pop-up dialog box and click <b>OK</b>.</li></ul> <p><b>Note:</b></p> <ul style="list-style-type: none"><li>• You can directly enter the numbers or select the numbers in the contacts.</li><li>• When you select more than one contact, you can press Shift to select a sequence of contacts, or press Ctrl to select the contacts one by one.</li><li>• If you select several receivers, click the Apply to all items check box to simplify the following operations.</li></ul>
3	Input the message, the character number is displayed in real-time on the upper right of the <b>Contacts</b> text box. The maximum length of each message is 1000 characters.

---

Step	Action
4	<ul style="list-style-type: none"> <li>Click <b>Send</b> to send the message. After the message is sent successfully, it is automatically saved to the Outbox. If the message is sent unsuccessfully, you are prompted whether to send it again. If you cancel the sending, the message is saved to the Outbox.</li> <li>Click <b>Save</b> to save the message to the Draft.</li> <li>Click <b>Clear</b> to clear the contacts and the message content.</li> </ul>

**Note:**

- The EC321 supports to send a message to a group of up to 20 numbers.
- When your message contains no more than 160 characters, it is sent as one message. If this limit is exceeded, the message is divided into several messages and sent one by one.
- When you use the SMS service, you can always operate in this way to display the **Write** interface or select contacts.

**Inbox**

The Inbox stores the messages you have received. It supports up to 1000 messages.

When the Inbox is full and a new message is coming, the earliest message in the Inbox is removed automatically to the Trash.


The number of unread messages is displayed under the status information on the main interface in real-time, if any such message exists.

In the **SMS** interface, click **Inbox** and the Inbox is displayed.


**Viewing a Message in the Inbox**


- You can view a message in the Inbox directly.

You can do as follows to browser and view the message in the Inbox.


Step	Action
1	Click  or select <b>Tools &gt; SMS</b> to display the <b>SMS</b> interface.
2	Click <b>Inbox</b> to open and browse the Inbox. Double-click a message to view the detailed content.

There are two types of icons in the Inbox:

- : Indicating an unread message.

- : Indicating a read message.

#### Note:


If a message is locked,  is displayed in front of the message.

2. You can view a message when there is a new message.

Select **Settings > Options** to set the alert mode. You can be alerted to a new message in different ways. You can select **Sound alert** or **Display alert**. For details, refer to "System Settings."

- If the sound alert is enabled:

When there is a new message, you can hear the sound alert.

Step	Action
1	Click  or select <b>Tools &gt; SMS</b> to display the <b>SMS</b> interface.
2	Click <b>Inbox</b> to view the Inbox and check the new message. Double-click the message to view the detailed content.

- If the display alert is enabled:

When there is a new message, you can see the alert window.

Option	Description
Click <b>View</b> on the alert window	The content of the message is displayed.
Click <b>Close</b> on the alert window	The content of the message is not displayed.

## Replying a Message

You can reply to a message directly in the Inbox.

Step	Action
1	Select a message or double-click it to display the interface with the detailed contents and click <b>Reply</b> .
2	The telephone number of the original sender appears automatically in the blank field behind <b>Contacts</b> and you can change it.
3	Input the content for the message to reply.
4	Click <b>Send</b> .

### Forwarding a Message

You can forward a received message in the Inbox.

Step	Action
1	Select a message or double-click it to display the interface with the detailed contents and click <b>Forward</b> .
2	Input the telephone number to forward to, or click <b>Contacts</b> to select the number.
3	The content of the message to forward displays automatically in the text box. You can edit it.
4	Click <b>Send</b> to forward the message.

### Making a Call

You can call back the number of a message sender.

Step	Action
1	Select a message or double-click it to display the interface with the detailed contents and click <b>Call</b> .
2	The <b>Call</b> interface is displayed. The number of the sender is displayed and dialed out automatically at the same time.

### Deleting a Message

You can delete a received message.

Step	Action
1	<ul style="list-style-type: none"> <li>• Select one or more message(s) and click <b>Delete</b>.</li> <li>• Double-click a message to display the interface with the detailed contents and click <b>Delete</b>.</li> </ul>
2	The message(s) can be removed to the Trash.

## Locking/Unlocking a Message

You can lock or unlock a received message to prevent the message from being deleted accidentally.

Step	Action
1	Select one or more message(s) and right-click.
2	<ul style="list-style-type: none"> <li>• Select <b>Lock</b> to lock the messages;</li> <li>• Select <b>Unlock</b> to unlock the messages.</li> </ul>

## Saving a Number

You can save the number of a message sender to your contacts.

Step	Action
1	Select a message or double-click it to display the interface with the detailed contents and click <b>Get Number</b> .
2	The <b>New</b> interface is displayed, and the number of the message sender displays automatically in the blank field behind <b>Mobile Number</b> .
3	Input the required information of this number.
4	Click <b>Save</b> .

## Outbox

The messages you have sent out are saved in the Outbox. Up to 1000 messages can be stored in this box. When the Outbox is full and an additional message is coming, the earliest message in the Outbox is removed to the Trash automatically.

In the SMS interface, click **Outbox** and the Outbox is displayed.

## Viewing a Message in the Outbox

You can display the Outbox to check and view messages.

Step	Action
1	You can browse all the messages in the Outbox.
2	Double-click a message to view the detailed contents.

### Sending a Message

In the Outbox, you can send a new message to the receiver you have already sent a message to.

Step	Action
1	Select a message or double-click it to display the interface with the detailed contents and click <b>Send</b> .
2	The telephone numbers of the receivers whom the message has been sent to are displayed automatically in the blank field behind <b>Contacts</b> . You can change these numbers.
3	Input the content for the new message.
4	Click <b>Send</b> to send the new message.

### Forwarding a Message

In the Outbox, you can forward a message that has already been sent out.

Step	Action
1	Select a message or double-click it to display the interface with the detailed contents and click <b>Forward</b> .
2	Enter the telephone number to forward to in the blank field behind the <b>Contacts</b> , or click <b>Contacts</b> to select the number.
3	The content of the message to forward displays automatically in the text box. You can edit it.
4	Click <b>Send</b> to forward the message.

### Making a Call

In the Outbox, you can dial a number of a receiver whom a message has been sent to.



Step	Action
1	Select a message or double-click it to display the interface with the detailed contents and click <b>Call</b> .
2	The <b>Call</b> interface is displayed. The number of the receiver whom the message has been sent to appears on the interface and the number is dialed automatically at the same time.

## Deleting a Message

You can delete a message in the Outbox.

Step	Action
1	<ul style="list-style-type: none"> <li>Select one or more message(s) and click <b>Delete</b>;</li> <li>Double-click a message to display the interface with the detailed contents then click <b>Delete</b>.</li> </ul>
2	The message(s) can be removed to the Trash.

## Locking/Unlocking a Message

You can lock or unlock a received message to prevent the message from being deleted accidentally.

Step	Action
1	Select one or more message(s) and right-click.
2	<ul style="list-style-type: none"> <li>Select <b>Lock</b> to lock the message;</li> <li>Select <b>Unlock</b> to unlock the message.</li> </ul>

## Saving a Number

You can save the receiver number of a message in the Outbox to your contacts.

Step	Action
1	Select a message or double-click it to display the interface with the detailed contents and click <b>Get Number</b> .
2	The <b>New</b> interface is displayed, and the number of the message receiver appears automatically in the <b>Mobile</b> column.
3	Input the required information of the number.
4	Click <b>Save</b> .

## Draft

The message that you write on the **Write** window, if having been saved, can be stored in the Draft. Up to 1000 messages can be stored in the Draft.

When you save a message, only the message content can be saved in the Draft. The designated number cannot be saved.

In the **SMS** interface, click **Draft** and the Draft is displayed.

## Editing a Message

You can edit a message in the Draft.

Step	Action
1	<ul style="list-style-type: none"> <li>• Select a message and click <b>Edit</b>;</li> <li>• Double-click a message.</li> </ul>
2	When the <b>Write</b> interface is displayed, change the information and select <b>Send, Save, or Clear</b> .

## Deleting a Message

You can delete a message in the Draft.

Step	Action
1	Select one or more message(s) and click <b>Delete</b> .
2	The message(s) can be removed to the Trash.

## Trash

The message you deleted from the Inbox, Outbox and Draft are all removed to the Trash. Up to 1000 messages can be stored in the Trash.

When the Trash is full and another message is removed to it, the earliest message in the Trash is removed automatically.

In the **SMS** interface, click **Trash** and the Trash is displayed.

## Restoring a Message

You can restore a message in the Trash to the original box.

Step	Action
1	Select one or more message(s) and click <b>Restore</b> .
2	The message(s) can be restored to the original box before it is removed.

## Deleting a Message

If you delete a message in the Trash, it is permanently removed.

Step	Action
1	Select one or more message(s) and click <b>Delete</b> .
2	If you are sure to do this, click <b>OK</b> and the message(s) can be removed permanently.

## Reports

The Reports saves the received message reports. Up to 1000 message reports can be stored in the Reports. When the box is full and another report is coming in, the earliest report in this box is removed automatically.

In the **SMS** interface, click **Reports** and the Reports is displayed.

Step	Action
1	Select one or more message(s) and click <b>Delete</b> .
2	If you are sure, click <b>OK</b> and the return notification message is removed.



## Message Storage Management

Select **File > SMS Storage Manager** and then you can import the messages saved in the computer, UIM card and EC321 memory from one to another.

### Note:

- With the message storage management, you can copy/move messages between different memories in mailboxes of the same type. Messages cannot be copied or moved to the mailboxes of different types. You cannot copy/move messages in the Reports or Draft.
- The messages saved in the EC321 memory can be lost because of the changes of the UIM card and PC.

- WMI Box: Waiting voice message indicator box.

Step	Action
1	In the <b>SMS Storage Manager</b> interface, select the source position and the aim position of importing.
2	Select an operation mode: <ul style="list-style-type: none"> <li>• Copy: The message at the source position is kept.</li> <li>• Move: The message at the source position is deleted.</li> </ul>
3	Select the message at the source position. <ul style="list-style-type: none"> <li>• Click  to import the message from the left of the arrow to the right.</li> <li>• Click  to import the message from the right of the arrow to the left.</li> </ul>

You can export the messages saved in the computer, UIM card and HUAWEI Mobile Connect memory to a file.

Step	Action
1	Select one or more message(s), and then right-click.
2	Select <b>export to file</b> . In the <b>Save as...</b> dialog box, enter a file name with <b>.txt</b> as its extension.
3	Click <b>Save</b> , and the messages are exported to the file.

## SMS Settings

Select **Settings** > **SMS Settings** to display the **SMS settings** interface.

Option	Description
Reports	You can enable or disable this function. If the function is enabled, after you send a message, the network can send a message to inform you that the receiver has got the message you have sent.
Priority	Select the priority level for sending a message.

**Note:**

If no storage space is available in your UIM card for the reports, the **Request status report** option is invalid. For details, contact your UIM card provider.

# 11

## Managing Your Contacts

The EC321 can store up to 1000 contacts.

You can create, modify and delete the contacts. You can also send messages, make calls to the contacts. The EC321 also supports the import/export of the contacts for your convenience to manage the contacts.

### Managing the Items in the Contacts

---

Click  or select **Tools > Contacts** to display the **Contacts** interface.

#### Creating a Contact

The following table lists the procedure for creating a contact.

Step	Action
1	Click <b>New</b> .
2	Fill in the Name, Mobile Number, Family Phone Number, Office Phone number, E-mail addresses, and/or the Comments.
3	Click <b>Save</b> to save a new contact to the Contacts.

#### Modifying a Contact

The following table lists the procedure for modifying a contact.

Step	Action
1	Select a contact to modify in the Contacts. Double-click the contact or click <b>Edit</b> .
2	Modify the contact.
3	Click <b>Save</b> .

## Deleting a Contact

The following table lists the procedure for deleting a contact.

Step	Action
1	Select one or more contact(s) to delete from the Contacts and click <b>Delete</b> .
2	Click <b>OK</b> to confirm.

## Sending a Message

The EC321 allows you to select a number from the contact and send a message. The following table lists the procedure.

Step	Action
1	Select one or more contact(s) from the Contacts.
2	Click <b>Send</b> . The EC321 picks up the number in the selected contact, and the <b>Write SMS</b> interface is displayed.
3	The retrieved numbers appear in the blank field behind the <b>Contacts</b> . Input the content for the message and click <b>Send</b> .

## Making a Call

You can dial out the number you have selected from the contacts. The following table lists the procedure.

Step	Action
1	Select a contact that contains the number to dial from the contacts, and click <b>Call</b> .
2	<ul style="list-style-type: none"> <li>If the selected contact contains only one telephone number, the <b>Call</b> interface is displayed automatically.</li> <li>If two or more telephone numbers are contained in the selected contact, the <b>Select Phone Number</b> window is displayed and you are prompted to select one number. After doing that, click <b>Call</b> and the <b>Call</b> interface is displayed.</li> </ul>
3	The selected number appears on the <b>Call</b> interface automatically and dialed out automatically at the same time.

## Searching a Contact

The EC321 provides the function of searching a contact in the Contacts.

Step	Action
1	Click <b>Search</b> .
2	<ul style="list-style-type: none"> <li>Select a field item such as Name, Mobile, Family, Office or E-mail from the pull down list in the <b>Condition</b> area.</li> <li>Enter relevant searching terms in the <b>Value</b> text box.</li> <li>Choose <b>Match Whole Word Only</b> and/or <b>Match Case</b> for <b>Matching Type</b>.</li> </ul>
3	Click <b>Search Now</b> to begin to search.
4	Click <b>Stop Search</b> to stop searching.

## Importing/Exporting a Contact

### Importing a Contact

The EC321 allows you to import the contacts from a file in a specified format to the EC321 Contacts.

The EC321 supports for importing of the \*.txt and \*.csv files.

Step	Action
1	Select <b>File &gt; Import Contacts From File</b> .
2	In the <b>Open</b> window, select a file to import.
3	Click <b>Open</b> , and the contacts in the file are imported to the EC321 Contacts automatically.

### Exporting a Contact

The EC321 allows you to export the contacts from the EC321 Contacts to a file. The following table lists the procedure.

Step	Action
1	Select <b>File &gt; Export Contacts To File</b> .
2	In the <b>Save as</b> window, input a file name with <b>.csv</b> as its extension.



Step	Action
3	Click <b>Save</b> , and the contacts in the EC321 Contacts are exported to the specified file.

**Note:**



An error can occur to the re-imported files if the exported files have been modified.

### Contacts Storage Management

Select **File > Contacts Storage Manager**, and then you can import the contacts saved in the computer, UIM card and EC321 Memory from one to another.

**Note:**

The contacts information saved in the EC321 Memory can be lost because of the changes of the UIM card and PC.

Step	Action
1	In the <b>Contacts Manager</b> window, you can select the source position and the aim position for importing.
2	Select an operation mode: <ul style="list-style-type: none"><li>• Copy: The contact information at the source position is kept</li><li>• Move: The contact information at the source position is deleted</li></ul>
3	Select the contact information at the source position. <ul style="list-style-type: none"><li>• Click  to import the contact information from the left of the arrow to the right.</li><li>• Click  to import the contacts information from the right of the arrow to the left.</li></ul>

# 12 Call Logs

The call log contains information about dialed, received and missed calls. Each kind of call log supports up to 1000 items.

Click  or select **Tools > Call Log** to display the **Call Log** interface.

## Missed Calls

Click **Missed calls**, and the **Missed Calls** interface is displayed.

### Sending a Message

You can send a message to the numbers of missed calls.

Step	Action
1	Select one or more item(s).
2	Click <b>Send</b> , and then the EC321 automatically retrieves the numbers in the selected items, and the <b>Write SMS</b> interface is displayed.
3	The retrieved numbers are automatically displayed in the blank field behind the <b>Contacts</b> . Input the content for the message and click <b>Send</b> .

### Making a Call

You can dial the number of a missed call.

Step	Action
1	Select an item.
2	Click <b>Call</b> .
3	The <b>Call</b> interface is displayed The selected number appears on the interface and dialed out automatically at the same time.

## Saving a Number

You can save the number of a missed call.

Step	Action
1	Select an item.
2	Click <b>Get Number</b> .
3	The <b>New</b> interface is displayed. By default, the EC321 saves the number of the selected item to the <b>Mobile</b> column in the Contacts. You can change the number if the number is not corresponding to the <b>Mobile</b> column.
4	Click <b>Save</b> .

## Deleting a Missed Call

You can delete an item from the missed calls.

Step	Action
1	Select one or more item(s).
2	Click <b>Delete</b> . Click <b>OK</b> to confirm.

## Received Calls

Click **Received calls**, and the **Received calls** interface is displayed.

## Sending a Message

You can send a message to the numbers of received calls.

Step	Action
1	Select one or more item(s).
2	Click <b>Send</b> , and the EC321 automatically retrieves the numbers in the items you select, and the Write SMS interface is displayed.
3	The numbers retrieved automatically are displayed in the blank field behind the <b>Contacts</b> . Input the content for the message and click <b>Send</b> .

## Making a Call

You can dial the number of a received call.

Step	Action
1	Select an item.
2	Click <b>Call</b> .
3	The <b>Call</b> interface is displayed, and the selected number you appears automatically on the interface, and, dialed out automatically at the same time.

## Saving a Number

You can save the number of a received call.

Step	Action
1	Select an item.
2	Click <b>Get Number</b> .
3	The New contacts interface is displayed. By default, the EC321 saves the number to the <b>Mobile</b> column in the Contacts. You can change the number if the number is not corresponding to the <b>Mobile</b> column.
4	Click <b>Save</b> .

## Deleting a Received Call

You can delete an item from the received calls.

Step	Action
1	Select one or more item(s).
2	Click <b>Delete</b> . Click <b>OK</b> to confirm.

## Dialed Calls

Click **Dialed calls**, and the **Dialed calls** interface is displayed.

## Sending a Message

You can send a message to the numbers of the dialed calls.

Step	Action
1	Select one or more item(s).
2	Click <b>Send</b> . The EC321 automatically retrieves the selected numbers, and the <b>Write SMS</b> interface is displayed.
3	The retrieved numbers automatically are displayed in the blank field behind the <b>Contacts</b> . Input the content for the message and click <b>Send</b> .

## Making a Call

You can dial the number of a dialed call.

Step	Action
1	Select an item.
2	Click <b>Call</b> .
3	The <b>Call</b> interface is displayed, and the selected number appears automatically on the interface, and dialed out automatically at the same time.

## Saving a Number

You can save the number of a dialed call.

Step	Action
1	Select an item.
2	Click <b>Get Number</b> .
3	The <b>New contacts</b> interface is displayed. By default, the EC321 saves the number to the <b>Mobile</b> column in the contacts. You can change the number if the number is not corresponding to the <b>Mobile</b> column.
4	Click <b>Save</b> .

## Deleting a Dialed Call

You can delete items from the dialed calls.

Step	Action
1	Select one or more item(s).
2	Click <b>Delete</b> . Click <b>OK</b> to confirm.

# 13

## PC Fax

The EC321 supports the service of PC fax. You can select PC fax software freely.

Step	Action
1	Be sure that you have installed the management program for data card completely and the data card is inserted into the computer.
2	Install the fax software on the computer.
3	Select "HUAWEI Mobile Connect-3G Modem" as the modem for the PC fax software.
4	Follow the relevant descriptions of the PC fax software to operate the fax.

**Note:**

This function needs to be supported by the network. For more information, consult the local network operator.

# 14

## Settings and Information Query

### PIN Code Management

---

The PIN code is used to prevent your UIM card from the invalid use. The PIN code is provided along with your UIM card. You can change your PIN code, and you can also enable/disable the PIN feature. If you enable the feature, you need to enter the PIN code when the EC321 starts up.

#### PIN Code Modification

You can change your PIN code.

Step	Action
1	Select <b>Settings</b> > <b>Modify PIN Code</b> .
2	Enter the current PIN code and the new PIN code. Enter the new code again to confirm it.
3	Click <b>OK</b> to modify it.

#### PIN Code Validation

After accessing the EC321 management program, you can still use the function of PIN code validation.

Step	Action
1	Select <b>Settings</b> > <b>PIN Code Protection</b> .
2	Select <b>Validate</b> , and you can access the PIN code validation flow which is the same as that when the EC manager starts. For more information, refer to the descriptions on page 11.



## PIN Code Protection

You can enable/disable the PIN feature. If the feature is enabled, you need to enter a PIN code when the EC321 is started. Otherwise, you need not to do this.

Step	Action
1	Select <b>Settings &gt; PIN Code Protection</b> .
2	Select <b>Enable/Disable</b> . After that, you need to enter the PIN code according to the prompt. <ul style="list-style-type: none"> <li>• Enable: You need to enter the PIN code when the EC321 is started.</li> <li>• Disable: You need not to enter the PIN code when the EC321 is started.</li> </ul>

## System Settings

The system settings include the startup mode of the EC321 manager, the alert mode for incoming calls, the alert mode for messages, and so on.

Select **Settings > Options**.

### Startup

Click the **Startup** tab, and you can set the EC321 manager to start along with the Windows, or to be displayed in the minimized mode when it starts.

Option	Description
Launch this application when Windows starts up	The EC321 manager starts along with the Windows.
Minimize main window after startup	The program is displayed in the minimized mode when it starts.
Check unread message(s) while starting	When the program starts, it checks the unread messages in the UIM card and the data card.

## Call Alerts Settings

Click the **Call Alerts** tab. By default, the EC321 sounds whenever a call comes. Meanwhile, an alert window can also be displayed if you select the option.

Option	Description
Alert window	<p>Check the check box, and an alert window is displayed whenever a call comes.</p> <ul style="list-style-type: none"> <li>Click <b>Answer</b> to answer the call.</li> <li>Click <b>Reject</b> to reject the call.</li> </ul>
Sound file	<ul style="list-style-type: none"> <li>Click <b>Browse</b> to select a sound file.</li> <li>Click <b>Play</b> to hear the sound.</li> </ul> <p>If a sound file is selected, it plays on the sound card of computer whenever a call comes.</p>
Earphone alert tone	<p>Check the check box. The ring sounds on the earphone of data card when a call comes.</p>

### Note:

An alert file can be \*.wav and \*.mid files.

## SMS Alerts Settings

Click the **SMS Alerts** tab. You can select the sound alert and display alert.

Option	Description
Alert window	<p>Check the box, and an alert window is displayed whenever a new message comes.</p> <ul style="list-style-type: none"> <li>Click <b>View</b> to see the new message.</li> <li>Click <b>Close</b> to leave the message unseen.</li> </ul>
Alert tone	<ul style="list-style-type: none"> <li>Click <b>Browse</b> to select a sound file.</li> <li>Click <b>Play</b> to hear the sound.</li> </ul> <p>If a sound file is selected, it plays on the earphone of data card whenever a new message comes.</p>

### Note:

An alert file can be \*.wav and \*.mid files.

## Standby/Hibernate Settings

Click the **Standby/Hibernate** tab, and you have the following options.

Option	Description
Prevent Standby/Hibernate	To prevent the computer from standby or hibernate mode.
Allow Standby/Hibernate	To allow the computer to start the standby or hibernate mode.

### Note:

- Even though **Prevent Standby/Hibernate** is selected, you can transfer the PC into Standby/Hibernate status manually under the Windows Vista operating system.
- Select **Settings > Options**, and then you can set the default values on each tab. To recover the current default configuration, click **Default**.

## Diagnostics

The EC321 allows you to query information about the EC321 and the UIM card.

Select **Tools > Diagnostics**.

- **Messages in Wireless Device:** This information is displayed in the format of "XX/YY". "XX" indicates the amount of the existing messages, and "YY" indicates the capacity of the data card.
- **Contacts in Wireless Device:** This information is displayed in the format of "XX/YY". "XX" indicates the amount of the existing contacts, and "YY" indicates the capacity of the data card.
- **Messages in UIM:** This information is displayed in the format of "XX/YY". "XX" indicates the amount of the existing messages, and "YY" indicates the capacity of the UIM card.
- **Contacts in UIM:** This information is displayed in the format of "XX/YY". "XX" indicates the amount of the existing contacts, and "YY" indicates the capacity of the UIM card.
- **ESN Number:** The ESN number of the hardware(EC321 or UIM card).
- **API Version:** The version of the API.
- **Firmware Version:** The board software version of the EC321.
- **Hardware Version:** The hardware version of the EC321.

# 15

## Technical Parameters

Item	Description
PC card type	Type II, 68 Pin, CARDBUS
Radio system	CDMA2000 1x: <ul style="list-style-type: none"><li>• EC301: 450 MHz</li><li>• EC321: 800 MHz</li><li>• EC351: 1900 MHz</li></ul>
Radio frequency band	<ul style="list-style-type: none"><li>• EC301: 450 MHz Band Block A: Reverse Link: 452.5–457.5 MHz Forward Link: 462.5–467.5 MHz</li><li>450 MHz Band Block C: Reverse Link: 450.0–454.8 MHz Forward Link: 460.0–464.8 MHz</li><li>• EC321: Reverse Link: 824–849 MHz Forward Link: 869–894 MHz</li><li>• EC351: Reverse Link: 1850–1910 MHz Forward Link: 1930–1990 MHz</li></ul>
Radio power output	> 200 mW
Services	<ul style="list-style-type: none"><li>• Voice Service: 8K EVRC</li><li>• High Speed Packet Data Service: Maximum Data Rate 153.6 kbps/Reverse Link, 153.6 kbps/Forward Link</li><li>• Asynchronous Data Service: Maximum Data Rate 14.4 kbps</li><li>• PC Fax: Maximum Data Rate 14.4 kbps</li><li>• Short Message Service</li></ul>
Dimensions (D × W × H)	88.4 mm × 54 mm × 5 mm
Weight	Approx. 50 g

Item	Description
Battery	Powered by the PC card slot, uses laptop battery
Operating temperature	-10°C to +55°C
Storage temperature	-20°C to +65°C

# 16

## FAQs on the EC321 Data Card

### **How to Judge Whether the EC321 Data Card Has Been Installed Correctly?**

After installing the EC321 Data Card, two devices are displayed in the device manager, namely, the "HUAWEI Mobile Connect-3G Modem" and the "HUAWEI Mobile Connect-3G Application Interface".

Check whether these two devices are installed correctly at first. If a yellow exclamatory mark or other signs appear in front of the devices, it means that the data card has not been installed correctly, and you need to retry.

### **After Installing the EC321 Management Software, the System Always Prompts "Data Card does not Exist". Why?**

Probably you have inserted the data card before the completion of installing the EC321 management software. Pull out the data card and insert it after the installation of EC321 management software is completed. Then, install the EC321 hardware driver by following the guide for the hardware installation.

### **After Installing the EC321 Management Software, the System Always Prompts "Unidentified USB device". Why?**

If the prompt "Unidentified USB device" displays on the task bar, your data card still can be used.

### **What Shall I Do If I Cannot Access the Internet?**

1. Check whether you have activated the wireless online service at first. Ask the local network operator for how to activate it.
2. If you are sure that the wireless online service has been activated, refer to "Internet Service" to implement relevant settings.

### **Only Part of the Message Is Displayed After I Use the "Paste" Function to Edit It. Why?**

While editing the message, at most 1000 characters are supported in the text. If the quantity of the pasted information exceeds the limitation, the exceeded part will be deleted automatically.

### **When a Message Is Received, No Prompt Displays. Why?**

Because you have not set the SMS Alerts function.

Select **Settings > Options**, and then check **Message alerts settings** on the **SMS Alerts** tab.

### **How to Dial the Telephone Numbers with "+" Sign?**

Double-click the \*/+ key on the telephone service interface, or input it through the PC keyboard.

### **Why I Cannot Paste the Telephone Numbers?**

Telephone numbers that only contains "0123456789#\*+" are legal. Confirm no other character is contained in the cut or pasted texts.

# 17

## Warnings and Precautions

### Electronic Device

---

- Switch off your wireless data card near high-precision electronic devices. The wireless data card may affect the performance of these devices.
- Such devices include hearing aids, pacemakers, fire alarm systems, automatic gates, and other automatic-control devices. If you are using an electronic medical device, consult the device manufacturer and confirm whether the radio wave affects the operation of this electronic device.

### Hospital

---

Pay attention to the following points in hospitals or health care facilities:

- Do not take your wireless data card into the operating room (OR), intensive care unit (ICU), or coronary care unit (CCU).
- Do not use your wireless data card at places for medical treatment where it is prohibited to use wireless devices.

### Area with Flammables and Explosives

---

In the area with inflammables and explosives, disconnect your wireless data card from your PC and turn off the PC to avoid explosion and fire. The area with inflammables and explosives include:

- Gas station
- Area for storing fuels (such as the bunk under the deck of a ship)
- Device/Vehicle for transporting and storing fuels or chemical products
- Area with chemical substances and particles (such as: granule, dust, metal powder) in the air
- Area with the sign of Explosives
- Area with the sign of Turn off bi-direction wireless equipment.
- Area where it is generally suggested to stop the engine or a vehicle



## Traffic Safety

---

- Observe the relevant regulation of the area or country where you are. Do not use your wireless data card while driving to avoid traffic accident.
- Secure the wireless data card on its holder. Do not place the wireless data card on the seat or other places where it can get loose in a sudden stop or collision. Use the wireless data card after the vehicle stops at a safety place.
- Do not place the wireless data card over the air bag or in the air bag outspread area. Otherwise, the wireless data card may hurt you owing to the strong force when the air bag inflates.
- Observe the rules and regulations of airline companies. On or nearby a plane, disconnect the wireless data card from your PC and turn off the PC. In areas where it is prohibited to use wireless device, do not use the wireless data card. Otherwise, the wireless signal of the wireless data card can disturb the plane control signals. Disconnect the wireless data card from your PC and turn off the PC before boarding an aircraft.

## Storage Environment

---

- Do not place magnetic storage media such as magnetic cards and floppy disks near the wireless data card. Radiation from the wireless data card may erase the information stored on them.
- Do not put your wireless data card in containers with strong magnetic field, such as an induction cooker and a microwave oven. Otherwise, circuit failure, fire, or explosion can be caused.
- Do not leave your wireless data card in a very hot or cold place. Otherwise, malfunction of the products, fire, or explosion can be caused.
- If your PC is equipped with earphones, do not place sharp metal objects such as pins near the earphones. The earphones may attract these objects and hurt you when you are using the wireless data card.
- Do not put your wireless data card in the pocket on the back side of trousers or a skirt to avoid wireless data card damage while seating.

## Children Safety

---

- Put your wireless data card in places beyond the reach of children. Do not allow children to use the wireless data card without guidance.
- Do not allow children to touch the small fittings. Otherwise, suffocation or gullet jam can be caused if children swallow the small fittings.

## Operating Environment

---

- The wireless data card is not water-resistant. Keep it dry. Protect the wireless data card from water or vapor. Do not touch the wireless data card with a wet hand. Otherwise, short-circuit and malfunction of the product or electric shock can be caused.
- Do not use the wireless data card in dusty, damp and dirty places or places with magnetic field. Otherwise, malfunction of the circuit can be caused.
- Do not connect or disconnect the wireless data card when it is near your ears to avoid negative impact on your health.
- When you carry or use the wireless data card, keep it at least one inch (2.5 cm) away from your body, to avoid negative impact on your health caused by radio frequency leakage.
- On a thunder stormy day, do not use your wireless data card outdoors.
- Do not touch the wireless data card when it is running. This may affect call quality and cause the wireless data card to operate with more power.
- The wireless data card may interfere nearby TV sets and radios.
- In accordance with the international standards for radio frequency and radiation, use wireless data card accessories approved by Huawei only.

## Cleaning and Maintenance

---

- Before you clean or maintain the wireless data card, disconnect your wireless data card from your PC and turn off the PC. Otherwise, electric shock or short-circuit may be caused.
- Do not use any chemical detergent, powder, or other chemical agent (such as alcohol and benzene) to clean the wireless data card. Otherwise, part damage or a fire can be caused. You can clean the wireless data card with a piece of soft antistatic cloth that is a little wet.
- Do not scratch the shell of the wireless data card. Otherwise, the shed coating may cause skin allergy. Once it happens, stop using the wireless data card at once and go to see a doctor.
- If the wireless data card or any of its fittings does not work, turn to the local authorize service center for help.

## Environmental Care

---

Observe the local regulations regarding the disposal of your packaging materials, old wireless data card and promote their recycling. Do not dispose of an old wireless data card in a dustbin or fire. Otherwise, explosion can be caused

## Emergency Call

---

You can use your wireless data card for emergency calls. However, connections in all conditions cannot be guaranteed. You should never rely solely on the wireless data card for essential communications.

## Exposure to Electromagnetic Energy

---

This product is designed not to exceed the limits for exposure to electromagnetic energy set by International Commission on Non-ionizing Radiation Protection (ICNIRP). The limits include a margin designed to assure the safety of all persons, regardless of age and health. The rules for exposure to electromagnetic energy adopt SAR value as the basis of judgment. The SAR value is measured in a standard mode. That is, this wireless product transmits with maximum transmit power in the bands it use during the measuring. The SAR value limit suggested by ICNIRP is 2 W/kg (10 g Average). By measuring, the maximum SAR value of this wireless product is 0.169 W/kg (10 g Average).

# 18

## Abbreviations and Acronyms

### C

CDMA Code Division Multiple Access

### E

ESN Electronic Serial Number

EVRC Enhanced Variable Rate Coder

### G

GUI General User Interface

### P

PIN Personal Identification Number

PUK PIN Unblocking Key

### S

SMS Short Message Service

### U

UIM User Identity Module