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## Huawei E303F/E303FH

# Huawei E303F/E303FH Data Card User Manual

Model: E303F/E303FH

## 1. INTRODUCTION

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The Huawei E303F/E303FH Data Card is a portable USB modem designed to provide wireless internet connectivity. This device offers a compact and sleek design, making it easy to carry. It supports 3G networks, delivering download speeds of up to 14.4 Mbps and upload speeds of up to 5.76 Mbps. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your data card.

## 2. PRODUCT OVERVIEW

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The Huawei E303F/E303FH functions as a 3G USB modem and can also enable a Soft Wi-Fi hotspot feature on compatible Windows laptops. It is designed for seamless internet access on the go.

- **Input Type:** SIM Card (supported by various telecom service providers).
- **Network Support:** 3G Network (GSM, HSPA, HSDPA, GPRS, UMTS, EDGE).
- **Data Transfer Rate:** HSDPA 14.4 Mbps download, HSPA 5.76 Mbps upload.
- **Operating System Compatibility:** Windows XP (SP2/SP3), Vista (SP1/SP2), 7; Mac OS X 10.5, 10.6, 10.7 and later upgrades.
- **Soft Wi-Fi Feature:** Capable of creating a Wi-Fi hotspot for up to 5 devices when used with a Windows laptop.
- **PC Voice:** Software enables making and receiving calls and sending/receiving text messages via your PC.
- **MicroSD Card Support:** Functions as a card reader for MicroSD cards up to 32 GB.



**Figure 1:** Side view of the Huawei E303F/E303FH Data Card. This image shows the compact, white casing with a dark grey stripe, highlighting its sleek and portable design.



**Figure 2:** Angled view of the Huawei E303F/E303FH Data Card. This perspective provides a clearer look at the device's overall shape and the subtle curvature of its design.

### 3. SETUP

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1. **Insert SIM Card:** Locate the SIM card slot on the data card. Carefully insert your activated SIM card into the slot until it clicks into place. Ensure the SIM card is correctly oriented as indicated on the device.
2. **Insert MicroSD Card (Optional):** If you wish to use the data card as a card reader, insert a MicroSD card into the designated slot.
3. **Connect to Computer:** Plug the Huawei E303F/E303FH Data Card into an available USB port on your laptop or PC. For optimal performance and power supply, it is recommended to use a USB port directly on the computer's motherboard (e.g., a rear USB port on a desktop PC).
4. **Automatic Driver Installation:** The device is designed for "Plug & Play" functionality. Upon first connection, your operating system should automatically detect the device and initiate the installation of necessary drivers and the Mobile Partner

software. Follow any on-screen prompts.

5. **Launch Mobile Partner:** Once the installation is complete, the Mobile Partner software should launch automatically or can be started from your computer's programs menu. This software manages your internet connection, SMS, and PC Voice features.
6. **Initial Connection:** The device typically does not require manual APN or IP settings configuration. The Mobile Partner software should automatically detect your network and allow you to connect to the internet.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Connecting to the Internet

1. Ensure the data card is properly inserted into your computer's USB port.
2. Open the Mobile Partner application.
3. The application will display network status. Click the "Connect" button to establish an internet connection.
4. An LED indicator on the device will show the connection status (e.g., solid blue for 3G, blinking for activity).

### 4.2 Using Soft Wi-Fi (Windows Laptops Only)

The Soft Wi-Fi feature allows your Windows laptop to act as a Wi-Fi hotspot, sharing the data card's internet connection with up to 5 other devices. This feature utilizes your laptop's existing Wi-Fi hardware.

1. Ensure your data card is connected to the internet via Mobile Partner.
2. Within the Mobile Partner software, locate the Soft Wi-Fi option (exact location may vary by software version).
3. Enable the Soft Wi-Fi feature and configure the network name (SSID) and password as desired.
4. Other devices can now connect to your laptop's Wi-Fi hotspot using the configured credentials.

### 4.3 PC Voice and SMS

The Mobile Partner software includes functionalities for making and receiving phone calls and sending/receiving text messages directly from your computer.

- **SMS:** Navigate to the "SMS" or "Messages" section within Mobile Partner to compose, send, and read text messages.
- **PC Voice:** Access the "Call" or "Voice" section to dial numbers and manage calls using your computer's microphone and speakers.

## 5. MAINTENANCE

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- **Keep Clean:** Regularly clean the exterior of the data card with a soft, dry cloth. Avoid using liquid cleaners.
- **Proper Storage:** When not in use, store the data card in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handle with Care:** Avoid dropping the device or subjecting it to physical shock.
- **Software Updates:** Periodically check for updates to the Mobile Partner software through the application itself or the official Huawei support website to ensure optimal performance and compatibility.

## 6. TROUBLESHOOTING

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**Issue: Device not detected or "SIM not found" error.**

- Ensure the SIM card is correctly inserted and fully seated in its slot.
- Try plugging the data card into a different USB port, especially a rear USB port on a desktop computer, as some front ports may not provide sufficient power.

- Restart your computer and try again.
- Verify that the Mobile Partner software is installed correctly and is not conflicting with other software.

**Issue: Slow connection speeds or frequent disconnections.**

- Check your signal strength indicator in the Mobile Partner software. Low signal strength can affect performance.
- Ensure you are within a 3G coverage area for your service provider.
- Close any unnecessary applications or background processes that might be consuming bandwidth.
- The device features "receive diversity technology" to improve signal in weak areas, but extreme conditions may still impact performance.

**Issue: Device becomes hot during use.**

- It is normal for the device to generate some heat during operation, especially during prolonged use or heavy data transfer.
- If the device feels excessively hot, ensure it has adequate ventilation and is not covered.
- Consider disconnecting it for a short period to allow it to cool down if overheating persists.

**Issue: Soft Wi-Fi feature not working.**

- The Soft Wi-Fi feature is primarily designed for Windows operating systems. Ensure your laptop's Wi-Fi hardware is enabled and functioning correctly.
- Verify that the Soft Wi-Fi option is correctly configured and activated within the Mobile Partner software.
- Ensure no other Wi-Fi hotspot software is running simultaneously on your laptop.

## 7. SPECIFICATIONS

Feature	Detail
Brand	Huawei
Model	E303F/E303FH (HUAWEI 14.4 Mbps 3G+SOFT Wi-Fi HOTSPOT)
Data Transfer Rate	14.4 Mbps (Download), 5.76 Mbps (Upload)
Network Type	GSM, HSPA, HSDPA, GPRS, UMTS, EDGE (3G Network)
Hardware Interface	USB
Compatible Devices	Laptop, Personal Computer, Smart Television, Smartphone (for Soft Wi-Fi connection)
Operating Systems	Windows XP (SP2/SP3), Vista (SP1/SP2), 7; Mac OS X 10.5, 10.6, 10.7 and later
Memory Storage Capacity	Supports MicroSD cards up to 32 GB
Special Features	Soft Wi-Fi Hotspot (up to 5 devices), PC Voice, SMS, WPS
Item Weight	40 g
Dimensions	11.4 x 7.2 x 2 cm (Package Dimensions)

## 8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official Huawei support website. If you encounter issues not covered in this manual, please contact Huawei customer support for assistance. Keep your purchase receipt or proof of purchase for warranty claims.

**Huawei Support:** <https://www.huawei.com/en/support>

