Guide to Configuration of Huawei Data Card Linux OS Driver



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1 Introduction

This document instructs how to install data card driver in a Linux OS environment and how to configure the dialup connection for the data card.

The Linux OS referred to in this document is 2.6.x kernel version or later, and this user guide use the FedoraCore 6.0 Linux distribution version.

2 Modify the Linux USB driver to support E220 device

Open the follow file with notepad, and do follow it to update the Linux kernel to support E220 device.



3 Configuring Dialup Connection for E6 20 Data Card

3.1 Open "Network Configuration"

Application->System setting->Network

| Network Configuration | | | | | | | | |
|---|------------------------|------------------|----------------|-------------------|--------------------------------|--|--|--|
| <u>F</u> ile <u>P</u> rofile <u>H</u> elp | | | | | | | | |
| <u>N</u> ew | <u>E</u> dit | <u>С</u> ору | (Delete | <u> A</u> ctivate | X <u>D</u> eactivate | | | |
| Dev <u>i</u> ce | es Hard <u>w</u> ar | e IP <u>s</u> e | c D <u>N</u> S | H <u>o</u> sts | | | | |
| You may configure network devices associated with physical hardware here. Multiple logical devices can be associated with a single piece of hardware. | | | | | | | | |
| Profile | e Status | D | evice | Nickname | Туре | | | |
| | 🚿 Inacti | ve 🛢 | eth0 | eth0 | Ethernet | | | |
| | | | | | | | | |
| | | | | | | | | |
| Active p | Active profile: Common | | | | | | | |

Figure 1 Open Network Configuration

3.2 Add new device and create a dialup connection

| | A | dd new Device Type | × |
|--|--|--|--|
| 5 | Select Device T | уре | ₽ |
| | Device Type Ethernet connection ISDN connection Modem connection Token Ring connection Wireless connection XDSL connection | Create a new Modem conn connection that uses a seri dial into to your Internet Se modems use sound over a telephone line to transmit d connections are available ju the world where there is a p | ection. This is a ial analog modem to rvice Provider. These normal copper lata. These types of ust about anywhere in phone system. |
| | | X Cancel | Back |
| | Figu | re 2 Select Device Ty | pe |
| | Ad | d new Device Type | |
| lect | Modem | | |
| Modem <u>M</u> odem <u>B</u> aud ra Elow co Modem : ✓ <u>U</u> se | Properties a device /dev/ttyUSB0 ate: 115200 ontrol: Hardware (CRTSCT volume: Off v touch tone dialing | ▼ ▼ 5) ▼ | |
| | | | |

Figure 3 Select modem device

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| ✓ | Add nev | v Device Type | | | | | | |
|---|--|---------------------|----------------------------------|--|--|--|--|--|
| Select Provider | | | | | | | | |
| | | | | | | | | |
| Internet Provider Austria Czech Republic Germany | Phone Number | A <u>r</u> ea code: | Phone number: *99# | | | | | |
| 🕀 🛻 Slovenia | | CANUET | | | | | | |
| E 🗄 United Kingdom | United Kingdom Provider name CMNET | | | | | | | |
| | | <u>I</u> -Online | Account Setup | | | | | |
| | Login name: | 123 | | | | | | |
| | Pass <u>w</u> ord: | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | 🔀 <u>C</u> ancel | | | | | | |
| Figure 4 Select provider | | | | | | | | |
| ✓ | Add nev | v Device Type | | | | | | |
| IP Settings | | | | | | | | |
| Encapsulation mode: syn | | | | | | | | |
| Automatically obtain IP | address settings | | | | | | | |
| PPP Settings | PPP Settings | | | | | | | |
| Automatically obtain | <u>D</u> NS information f | rom provider | | | | | | |
| ○ Statically set IP addres | ses: | | | | | | | |
| Manual IP Address Sett | ings | | | | | | | |
| Autress. Subnet mask | | | | | | | | |
| Default gateway addres | 5' | | | | | | | |
| Dentant gateway addres | | | | | | | | |
| | | | | | | | | |
| | | X Cancel | ▲ <u>B</u> ack ► <u>F</u> orward | | | | | |

Figure5 IP address settings





Figure6 Apply new connection

3.3 Save the configuration



Figure 7 Save all configuration

4 Dialup to Internet

Network Configuration - I = I × I Ý File Profile Help S I **A** Copy New Edit Delete <u>Activate</u> Deactivate Devices Hardware IPsec DNS Hosts You may configure network devices associated with 1. physical hardware here. Multiple logical devices can be associated with a single piece of hardware. Profile Status Device Nickname Type \checkmark 🚿 Active App0 CMNET Modem 🗃 eth0 🐒 Inactive eth0 Ethernet Active means dialup successfully. Active profile: Common

Click the 'Activate' button and the modem status will change to 'Active'

Figure 8 Activate the PPP connection