Release
for GTOP

MT3329 Linux Driver Installation Guide

EeePC Example

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Update System Build Environment

- 1. Add path in /etc/apt/sources.list
  - deb http://ftp.debian.org/ etch main
  - deb http://updates.xepc.org/ p701 main dev
- 2. Update Data Base
  - sudo apt-get update
- 3. Update GCC
  - sudo apt-get install gcc
- 3. Update build-essential package
  - sudo apt-get install build-essential

Get EeePC Kernel Source

- 1. Go to ASUS Official Website
  - http://www.asus.com/index.aspx
- 2. Choose “Download”
- 3. Select Product
  - EeePC → “Eee PC Series” → your EeePC model
- 4. Download Source Code
  - “Linux_Kernel_071127.rar ”
- 5. Extract Source Code
  - Output “linux-source-2.6.21.4-eeepc_5_all.deb ”
    - sudo rar x Linux_Kernel_071127.rar (If you have RAR on EeePC)
    - or you can extract it with other tools

Update Driver Source Code

- 1. Update cdc-acm.c in /drivers/usb/class/
- 2. The only difference is adding Vendor and Product ID’s for MT3329 USB Solution

Make Module for MT3329 USB

- 1. Change path to /drivers/usb/class
  - cd /drivers/usb/class
- 2. Build module for cdc-acm
  - sudo make
  - or you can use “sudo make install” to make all kernel source
    - You may need to following current configuration of EeePC
      sudo cp /boot/config-2.6.21.4-eeepc .config

Insert Module to System

- Insert module to system
  - sudo insmod cdc-acm.ko

How to Get GPS Data through USB Port

- 1. Plug in MT3329 USB device
  - The device can be found in /dev/, and naming “ttyACM0”
- 2. Catch GPS NMEA data
  - minicom
  - If you don’t have tools like minicom in linux, you can directly catch the log and save in a file
    - cat /dev/ttyACM0 >~/Output.txt
    - The NMEA data will be saved in Output.txt

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