

Configuration of 3G Datacard (Huawei) in Ubuntu Linux

Details to help configure BSNL 3G - August 2010

Frequency - 2100 Mhz

A variant of 3G called as 3.5G or HSDPA

Speed 3.6Mbps, 7.2Mbps

apn name or accesspoint name - bsnlnet (Other values like username just nothing)

BSNL 3G data card USB models:

Micromax MMX 300G

Micromax E156G

Huawei E156 (3.6Mbps)

Huawei E176 (7.2Mbps)

Huawei 210

SimU6T

SimU9T

BSNL 3G (HSDPA) Data Card using wvdial in Ubuntu 9.10

Select Applications, Accessories, Terminal

```
sudo <space> wvdialconf <enter>
```

Found a modem on /dev/ttyUSB0

Modem configuration written to /etc/wvdial.conf.

```
sudo <space> gedit <space> /etc/wvdial.conf <enter>
```

[Dialer Defaults]

Modem Type = Analog Modem

Phone = *99#

ISDN = 0

Baud = 460800

Username = " "

Password = " "

Modem = /dev/ttyUSB0

Init1 = ATZ

Init2 = at+cgdcont=1,"ip","bsnlnet"

Stupid Mode = 1

Run the following command to connect to Internet

```
sudo <space> wvdial <enter>
```

Huawei E1550 3g modem not switching to modem mode automatically in Ubuntu 10.04 – Solution

```
sudo <space> gedit <space> /etc/udev/rules.d/15-huawei-e1550.rules
```

Paste the below lines into the file. These lines tell udev that when this device is plugged in it should be switched to modem mode.

```
SUBSYSTEM=="usb",
```

```
SYSFS{idProduct}=="1446",
```

```
SYSFS{idVendor}=="12d1",
```

```
RUN+="/lib/udev/modem-modeswitch --vendor 0x12d1 --product 0x1446 --type option-zeroacd"
```

Select File, save. Close all. Restart computer and configure using Network Manager.

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