

# DT-X30

## *GPRS*



# **Overview**

- DT-X30 GPRS specification
- Hardware- and Software Layer
- Dialup and Network setup
- WAN setting Tool

# DT-X30 GPRS Specification



- GPRS built-in
- Quadband GSM 850/900/1800/1900
- Output power 2W (GSM850/900)  
1W (GSM 1800/1900)
- GPRS Multi-slot Class 12
- EDGE (E-GPRS) Multi-slot class 10
- CSD (data) max. 14.4 kbps
- GPRS max. 56 kbps
- EDGE max. 236.8 kbps



# DT-X30 GPRS Specification



- EDGE → 59,2 kbit/s (each channel)
- EDGE Class 10 means:
  - max. 4 downlinks (220 kbit/s\*)
  - max. 2 uplinks (110 kbit/s\*)

\*depending from signal quality and base station free slots



# DT-X30 GPRS Specification



- Communication Port
  - e.g. for RAS connection
- Management Port
  - for Sim card access
  - for module information
  - for status information like signal strength etc.

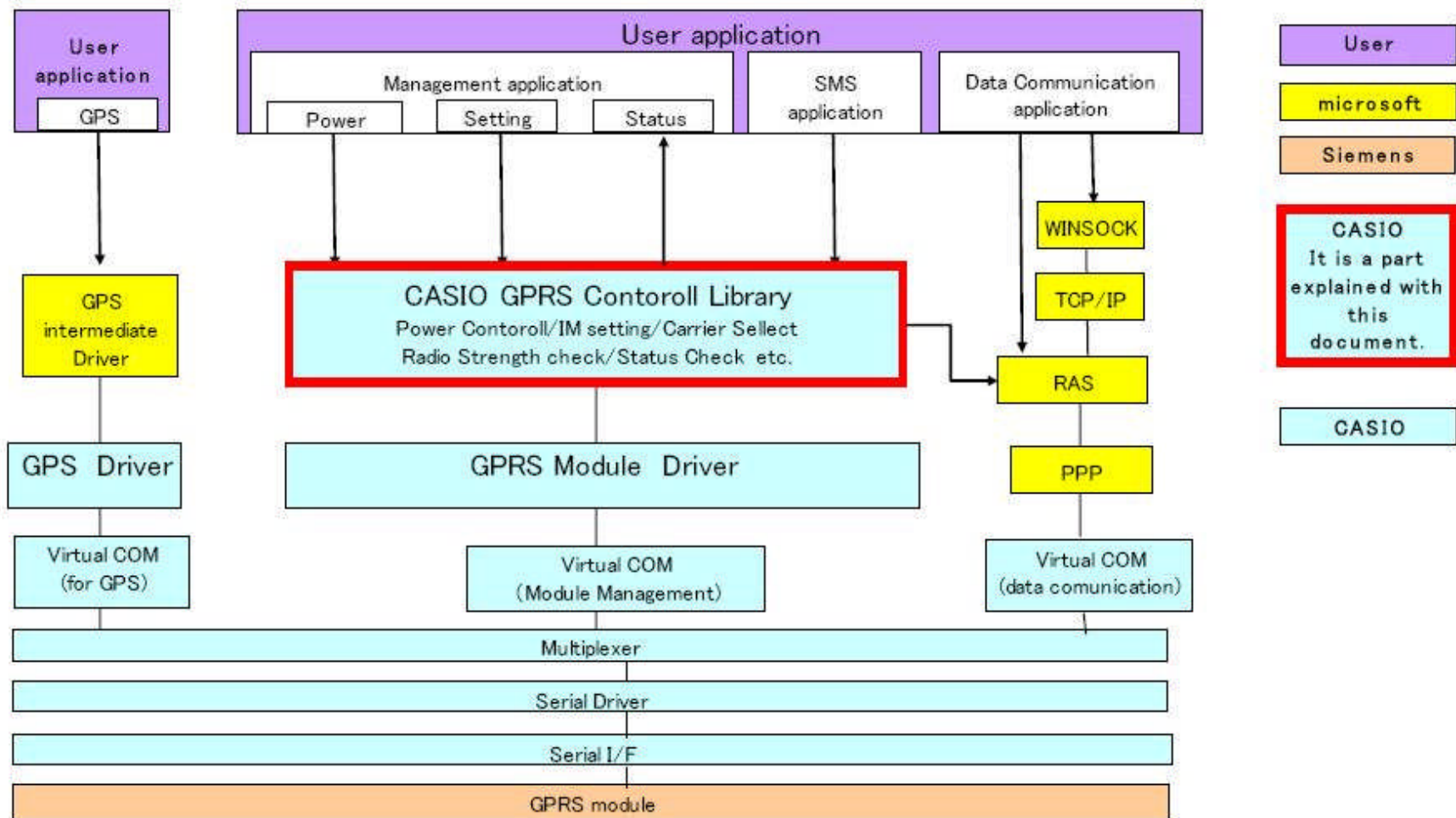
Both Ports can be used at SAME time!



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# HW and SW Layer

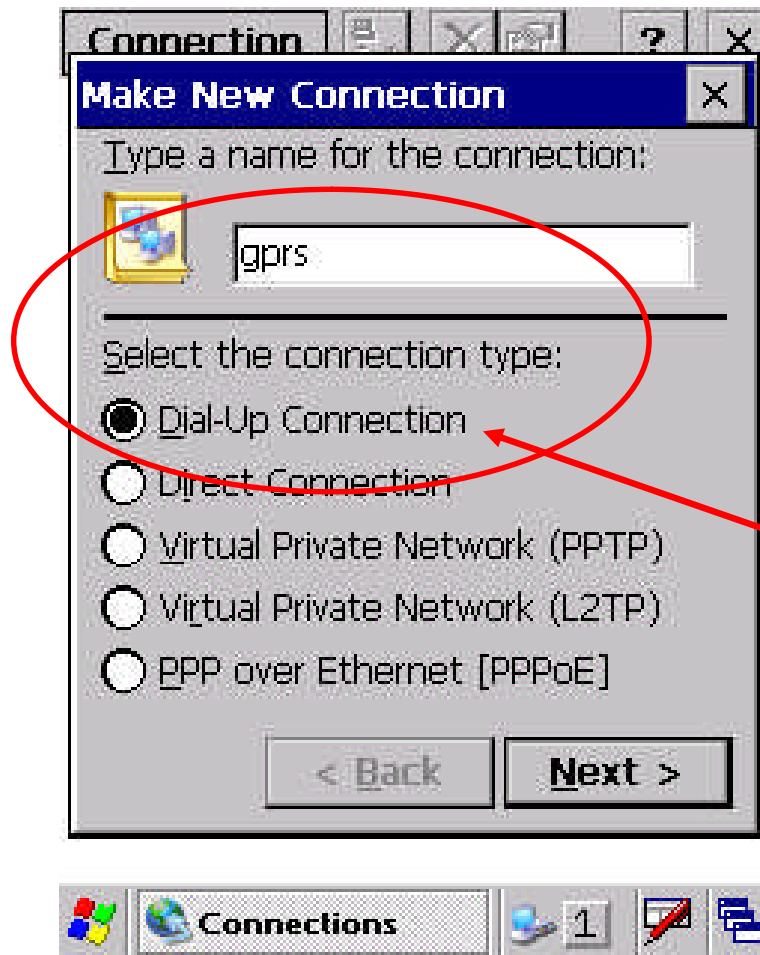


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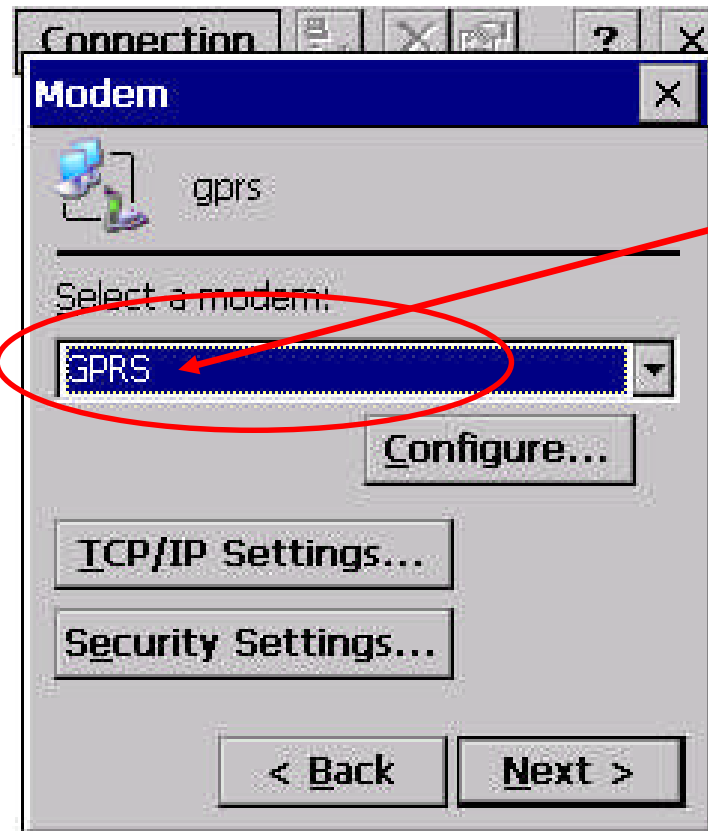


# Dial up Network setup



- Goto Start → Settings → Network and Dial-up Connections
- Select Make New Connection and select Dial-Up Connection and type in a connection name like „gprs“
- Click Next

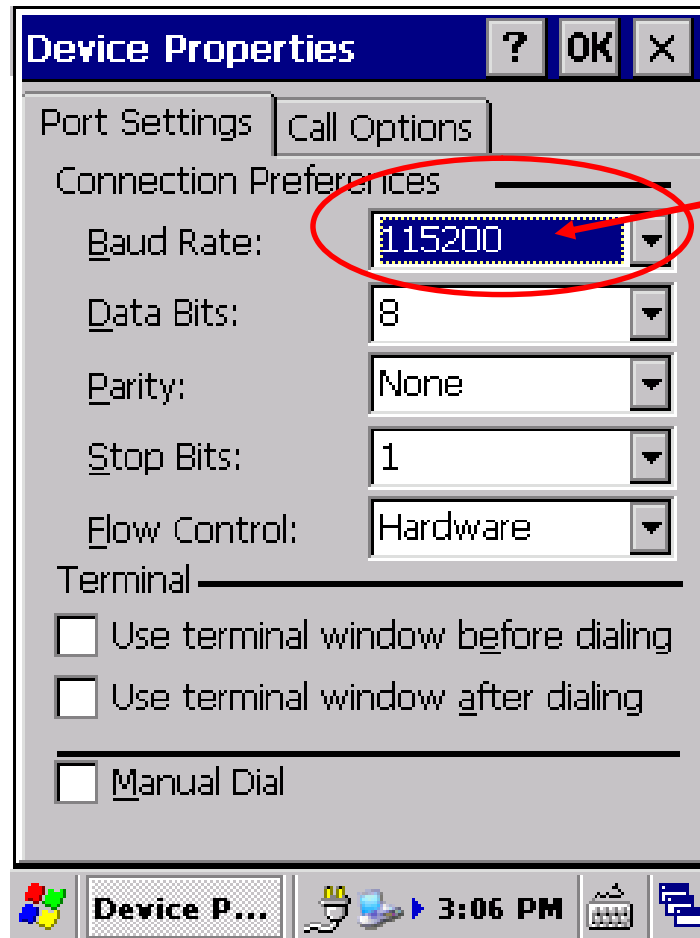
# Dial up Network setup



- Select GPRS
- Click Configure...

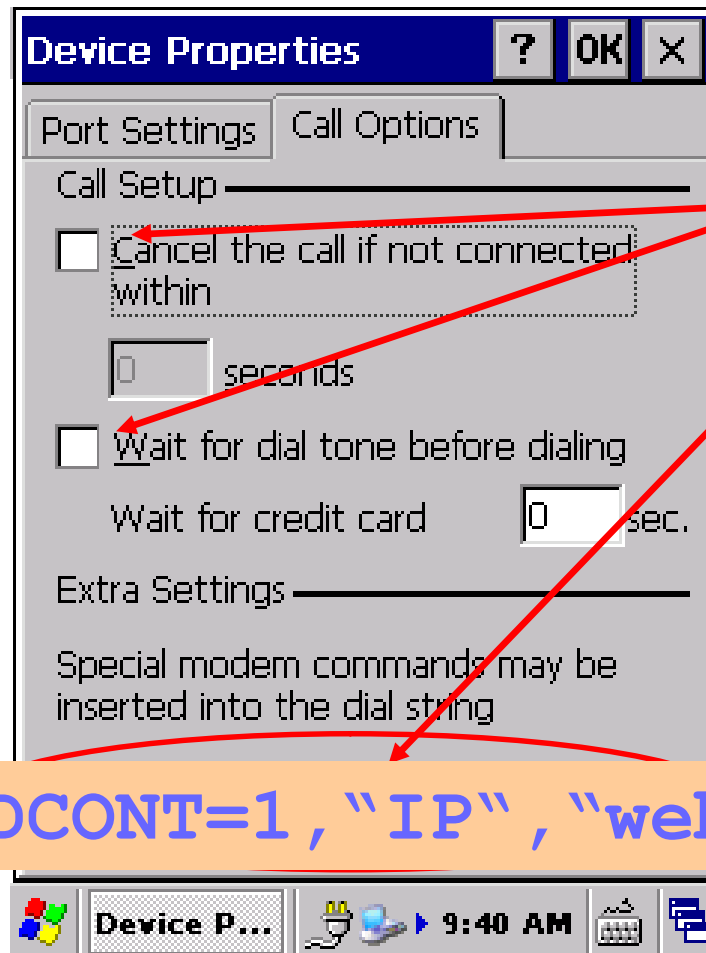


# Dial up Network setup



- Select 115200 Baud and other parameter as shown
- Click on Call Options

# Dial up Network setup



- Disable **Cancel the call...** and **Wait for dial tone...**

- Enter command for APN like: +CGDCONT=1,"IP","web.vodafone.de"

- Click on **OK**

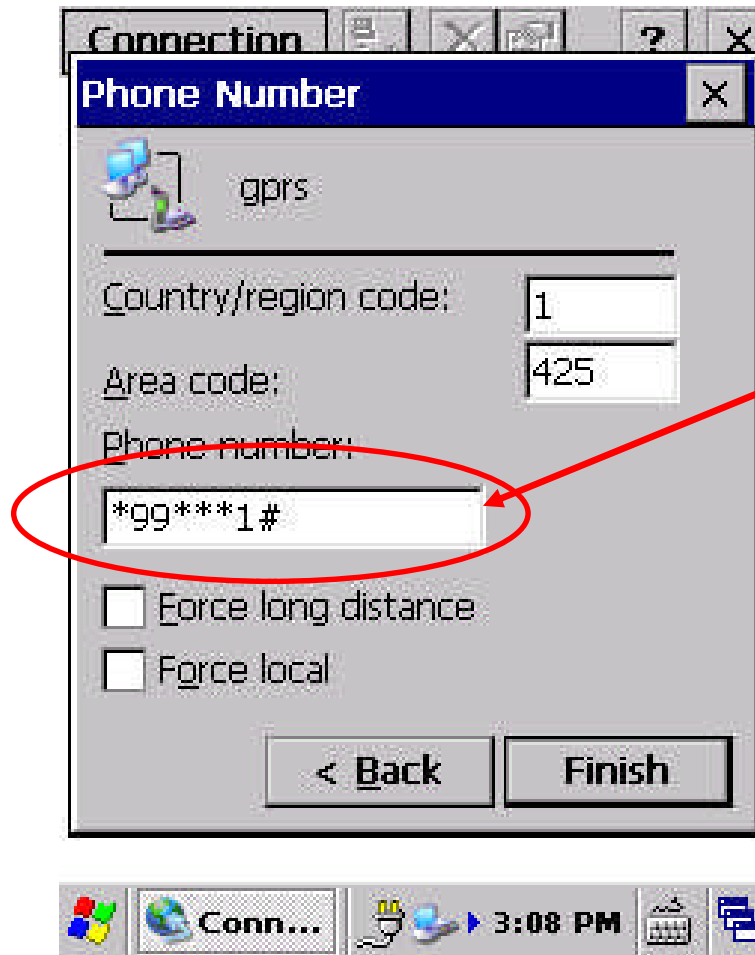
+CGDCONT=1, "IP", "web.vodafone.de"

# Dial up Network setup



- You are back at configuration window.
- Click **Next**

# Dial up Network setup

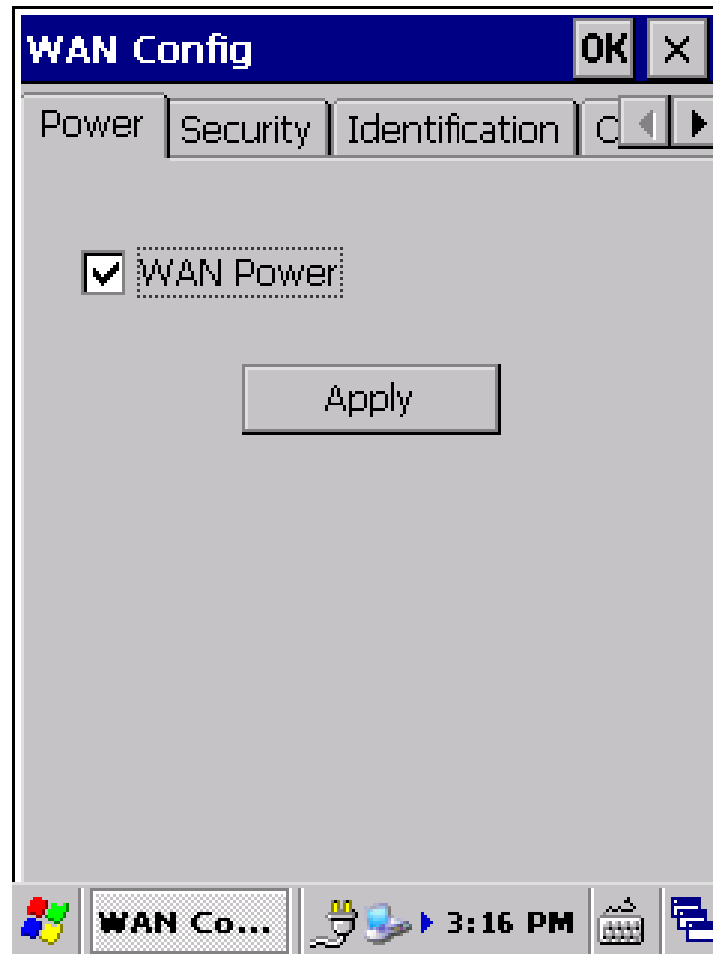


- Enter Phone number:  
**\*99\*\*\*1#**  
(don't use other number!!!)
- Click on **Finish**

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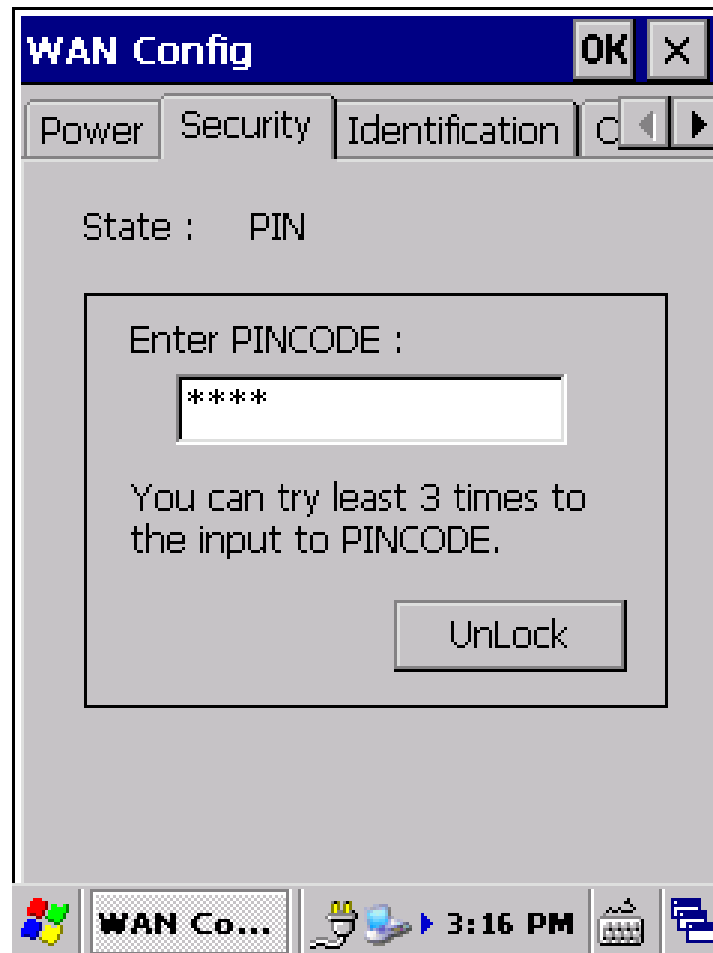
# WAN setting Tool



- Enable WAN Power
- Click on [Apply](#)
- Click on [Security](#) after module is switched on.

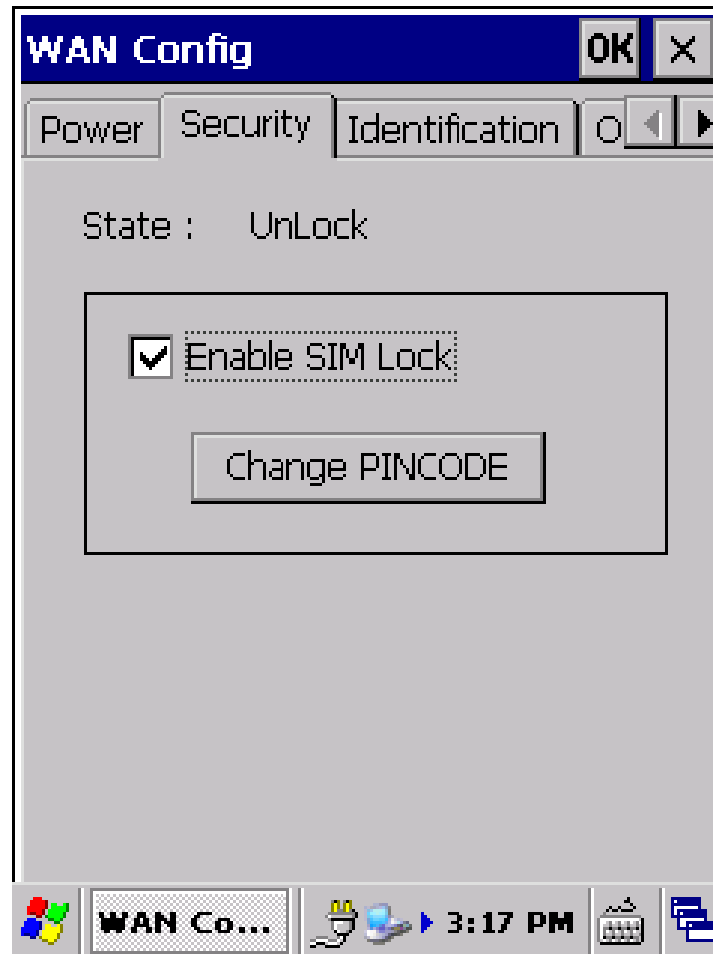


# WAN setting Tool



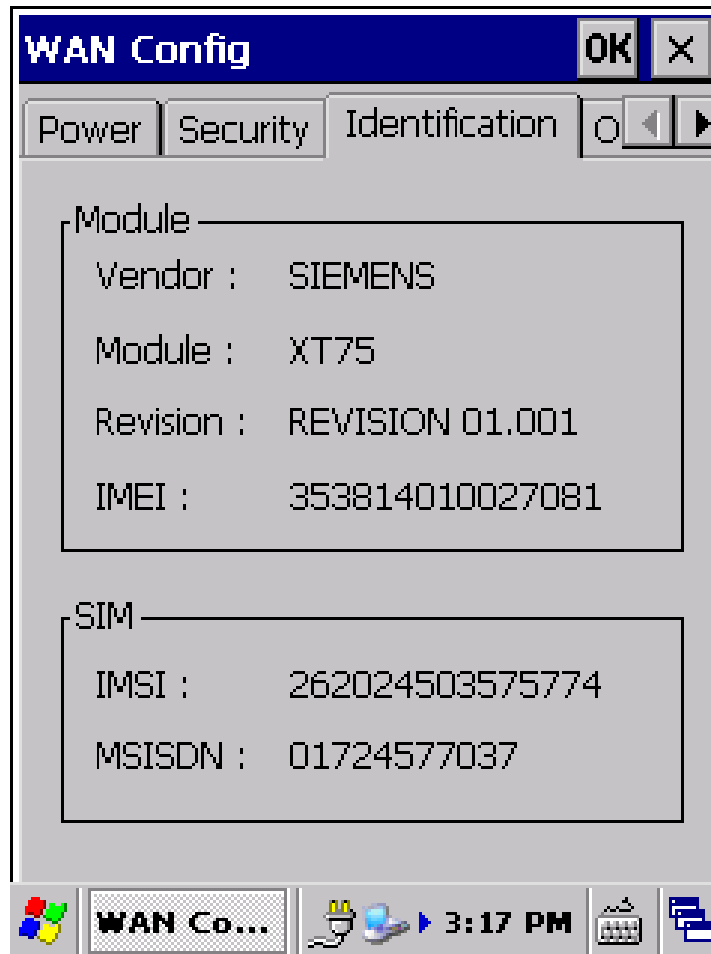
- Enter your PIN code if SIM card is secured.
- Click on [UnLock](#)

# WAN setting Tool



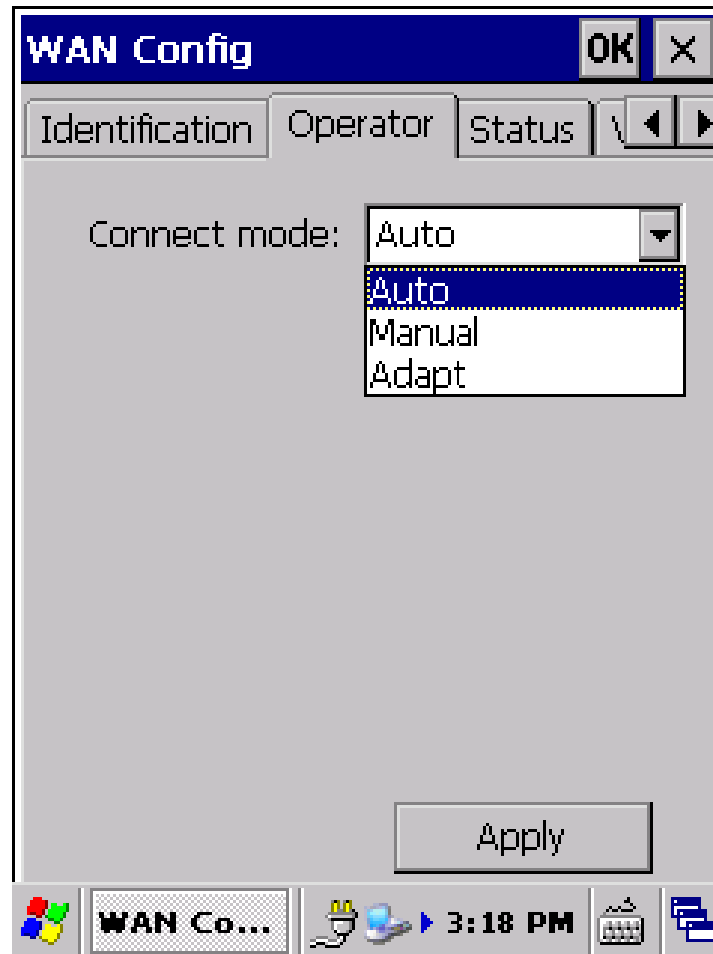
- Sim Lock can be disabled or enabled
- PIN code can be changed
- Click on [Identification](#)

# WAN setting Tool



- Information about Module are displayed
- Information about SIM card are displayed
- Click on [Operator](#)

# WAN setting Tool

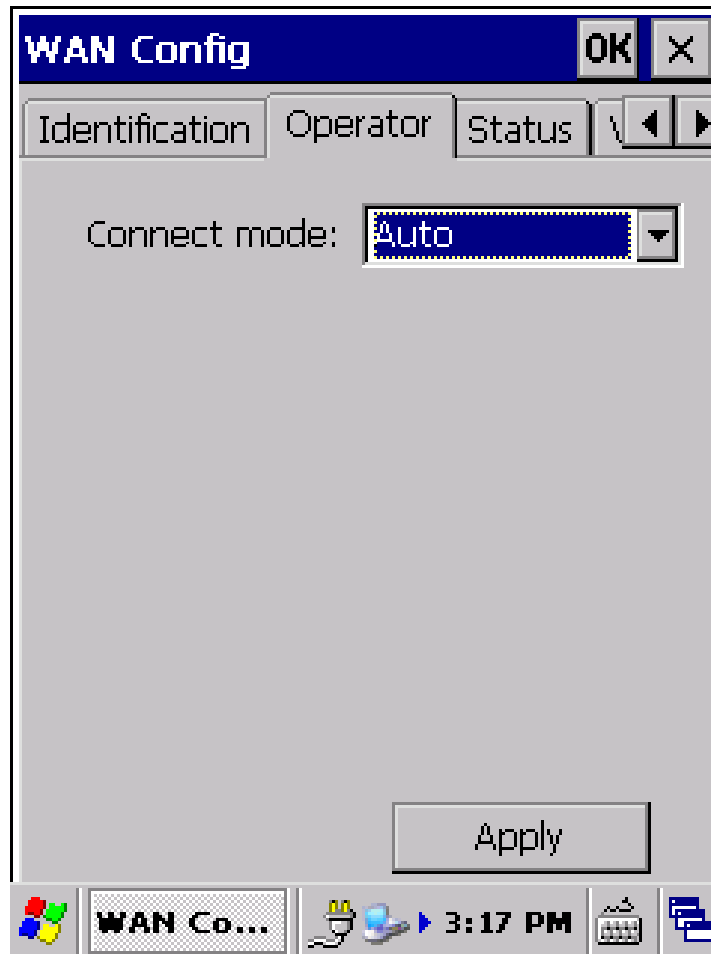


- Operator will be used automatically by default.
- Click on **Connect mode** and select **Manual**

(Adapt-mode means:

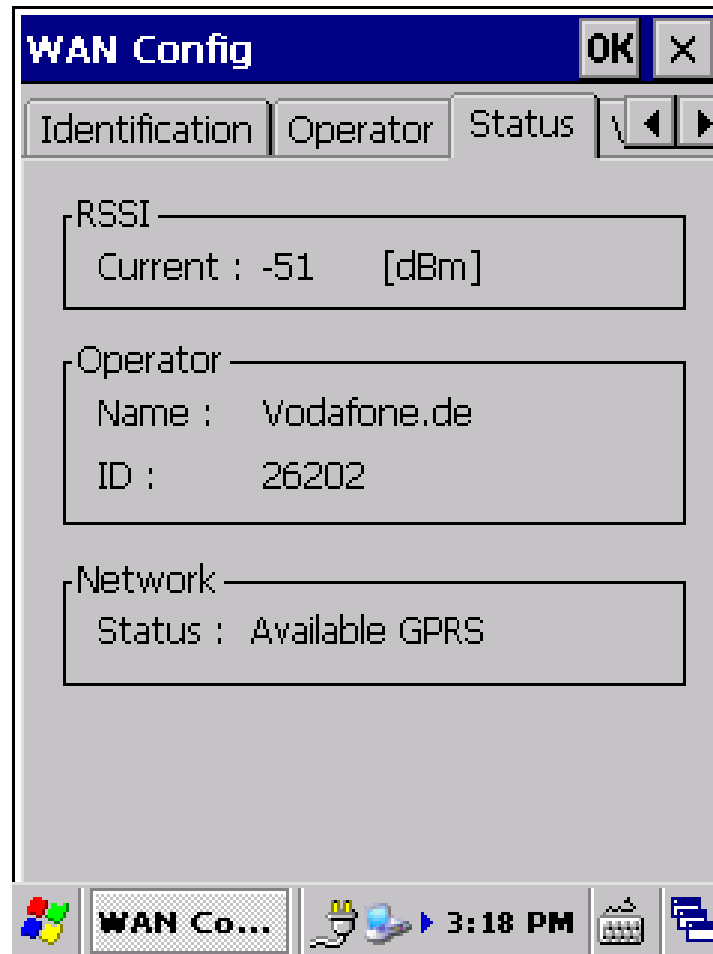
- a) Module first try to set operator manual and if fails
- b) Module try to connect automatically)

# WAN setting Tool



- Operator(s) in range are displayed in list by ID.
- Operator can be selected manual.
- Click on [Apply](#) to activate new operator.
- Please activate [Auto-](#)mode again.
- Click on [Apply](#).
- Click on [Status](#).

# WAN setting Tool



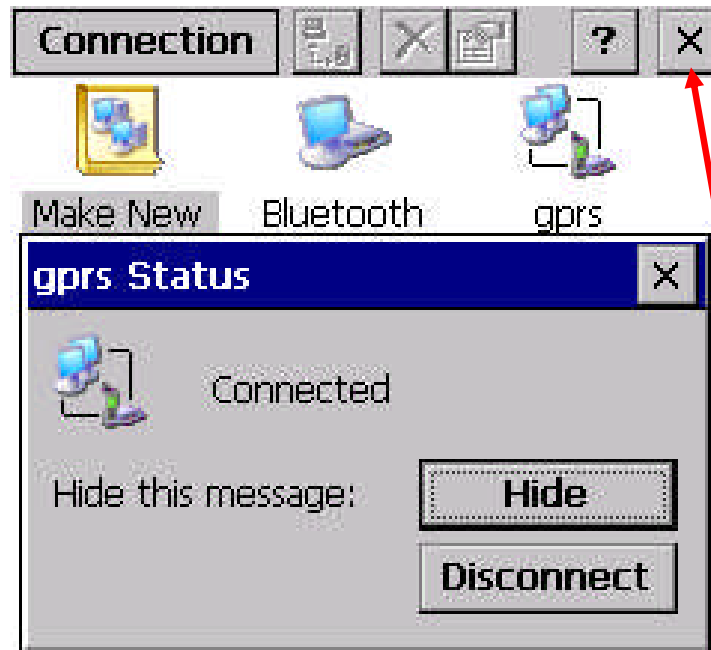
- Some Status information about current connection:
- Signal strength (RSSI) in dBm (-51...-113)
- Operator (Provider) by Name and ID
- Networkstatus
- Click on **OK**.

# Start Dial-up Connection



- Start your gprs Dial-up connection
- Click on [Connect](#)

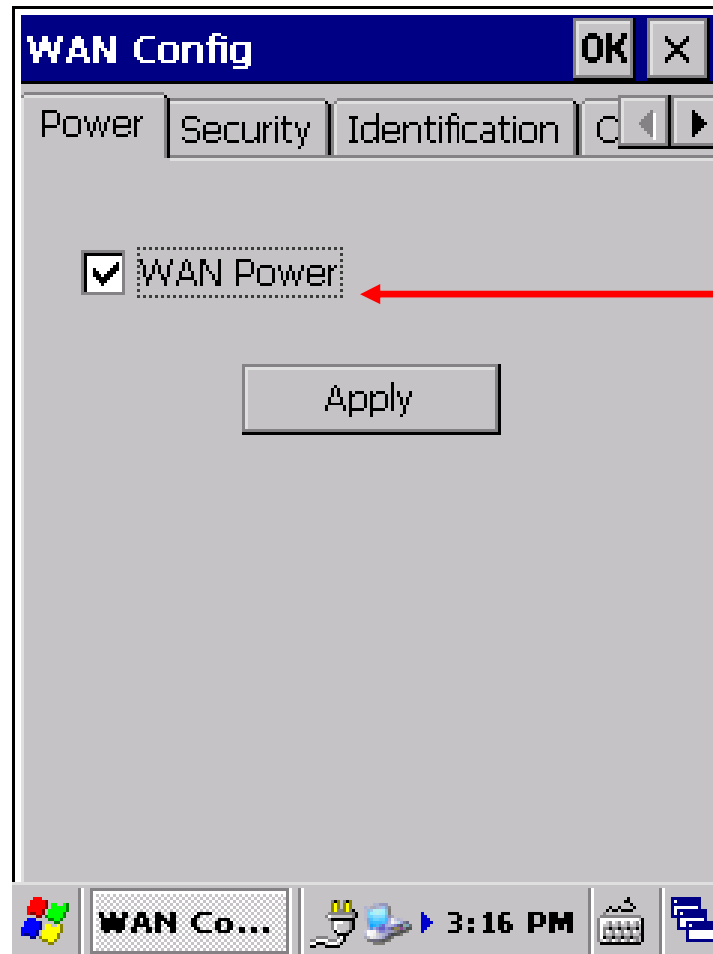
# Start Dial-up Connection



- Connected message should be displayed after some seconds. Connection to Internet is now established.
- Click on **Disconnect**
- Close **Connection** Window.



# Start Dial-up Connection



- Return to WAN setting Tool.
- Disable (uncheck) **WAN Power**.
- Click on **Apply** to stop WAN module power.

# Thank you...

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***DT-X30 GPRS***