

# APPLICATION NOTE

## Advanced cellular features on IPL-C

- SSH connection onto the IPL
- Connection onto the cellular module.
- Force connection to a given cellular operator

Latest update : **13/11/2017**

## 1) SSH CONNECTION ONTO THE IPL-C

Install an SSH client on the PC (eg Putty)

The login / passwords of the SSH account are those defined in the page "> Home> Configuration> Security> Administrative rights" (by default admin / admin)

Check that the "Enable SSH" check box on the same page is checked.

Connect in SSH port 22 to the LAN IP address of the IPL.

## 2) TELNET CONNEXION ONTO THE CELLULAR MODULE.

Type the command: **"telnet 127.0.0.1 3331"**

To test the connection to the cellular module, type the string "AT" and then press the "Enter" key; The module must answer "OK". You are now connected to the cellular module on the command line. You can now drive via AT commands the cellular module.

For this to work, the cellular WAN must be activated and configured by means of the "> Home> Configuration> WAN Interfaces> Cellular" page

## 3) FORCE CONNECTION TO A GIVEN CELLULAR OPERATOR

To force connection to a given operator, use the AT + COPS command.

The syntax is:

**AT + COPS = 1.0, "OPERATOR"**

The module must answer OK.

To check the configuration, use the command:

**AT + COPS?**

To list the visible operators (the command puts about 1mn to return the result):

**AT + COPS =?**



13, chemin du Vieux Chêne  
38240 Meylan

Tél. 04 76 04 20 00  
Fax. 04 76 04 20 01

[www.etictelecom.com](http://www.etictelecom.com)