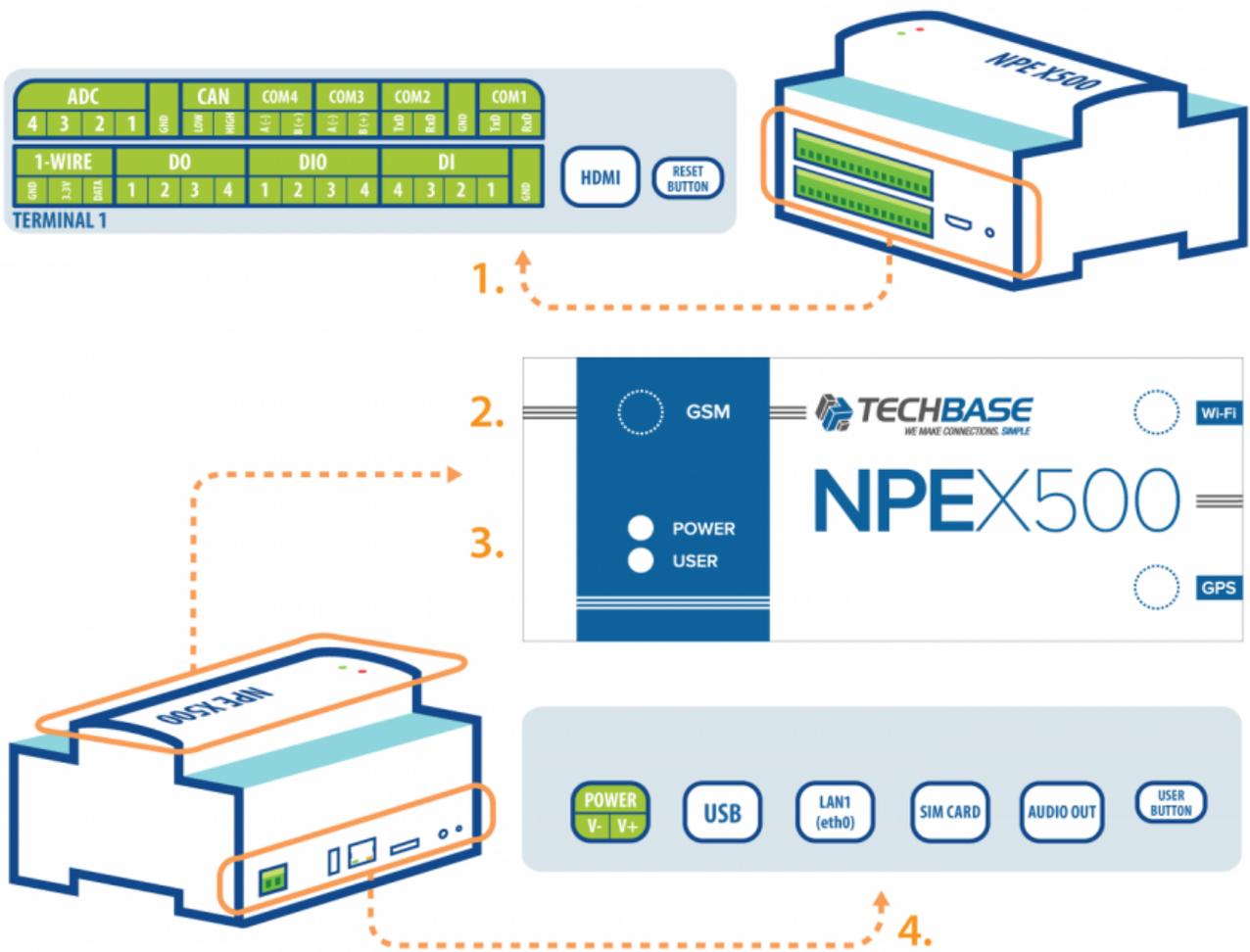


NPE X500 QuickStart

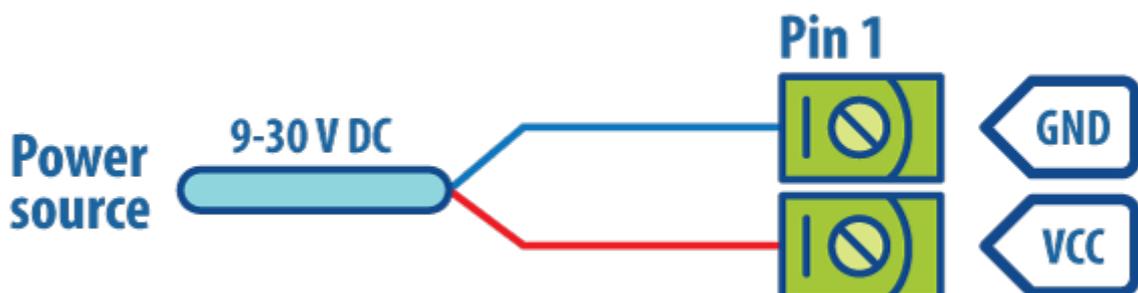
Hardware startup



1. HDMI, DI/DO, 1-Wire, RS, CAN, AI Connectors + RESET button
2. GSM antenna connector
3. LED indicators
4. Power connector, USB, Ethernet ports, SIM Card slot, Audio output port, USER button

Powering up

The first step is to connect the power supply.



LED indicators

- **POWER** - Continuously lit when device is turned on
- **USER** - turned off by default - configurable by user



LEDs support RGB color configuration

Connect to the device

Check IP address

There are 2 ways to connect with device using ETH interface

- directly connected to the PC:
 - The default IP Address is **192.168.0.101** - make sure that IP address of your PC is in the same subnet.
- connected to the LAN network:
 - Device will get IP Address from DHCP server. Use SearchNPE to detect NPE X500 devices on the network and to determine IP address. Find the application at http://www.a2s.pl/products/npe/SearchNPE_PZA2S.zip.

Legend:



Network connection via Ethernet port required



Network connection via Ethernet port not required

Login to the device

If the device is connected to the network and you know IP address, you can connect using TCP port 22



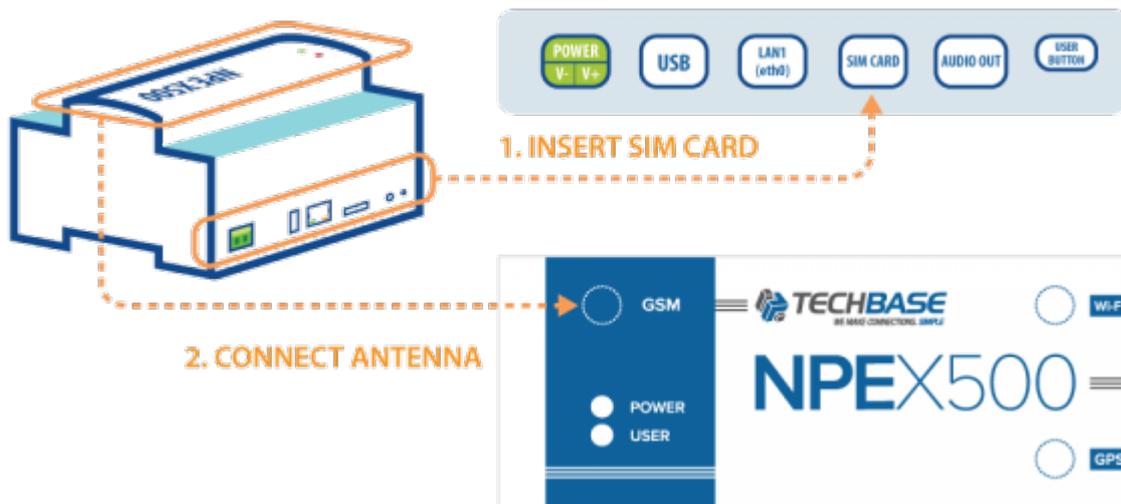
(default in SSH) e.g., using PuTTY in Windows or `ssh` command in Linux.

You can find PuTTY at following address: <http://the.earth.li/~sgtatham/putty/latest/x86/putty.exe>

You can use following credentials to login.

*	Login	Password	Permissions
1.	user	user	User permissions
2.	root	techbase	Root permissions

3G Connection



To establish connection using gprs package, do the following:

- Insert SIM Card into the slot on the side of the device
- Connect antenna to connector on the top of the device
- Connect via ssh to Modberry
- Use `sudo su`
- Run this command: `softmgr update gprs`
- after installation, execute this command:

```
gprs connect
```

- Connection should be established automatically



gprs abort should be used if anything goes wrong *gprs status* return the actual status of the connection *gprs disconnect* disconnects the connection

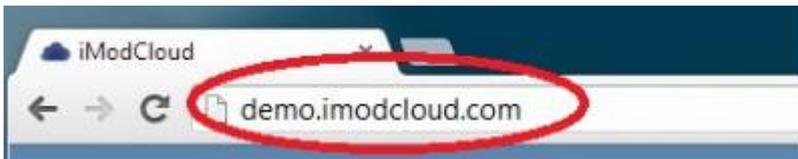
Software Startup

iModCloud

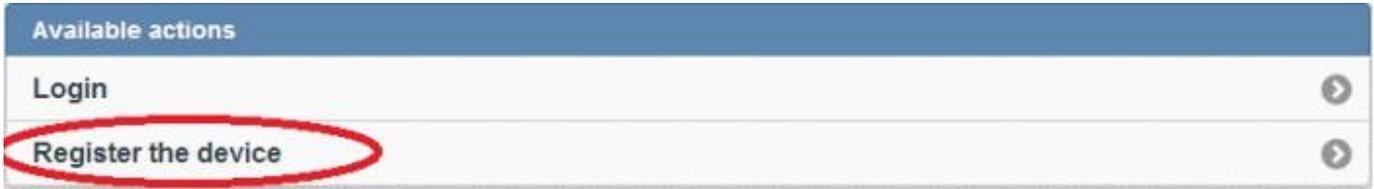
In order to register iMod/NPE X500 in iModCloud make sure your device is connected to the Internet via Ethernet port described in section 1.



- Type **demo.imodcloud.com** in your web browser



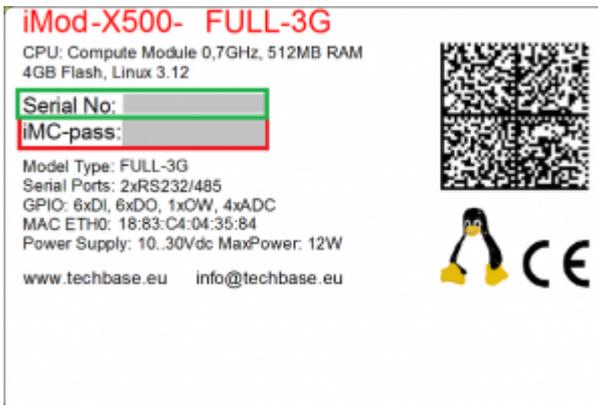
- Click **Register your device**



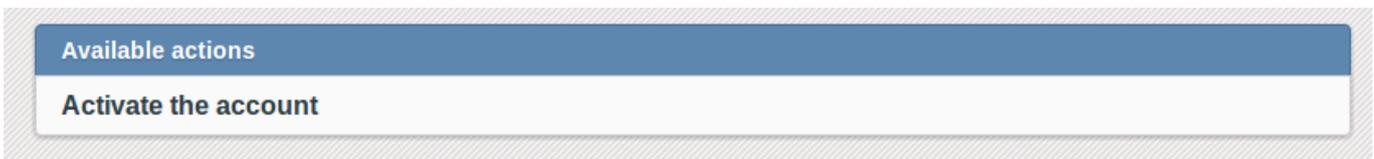
- Enter the register data:

A screenshot of a registration form. It has two input fields: 'Serial number or Device ID' and 'iMC - pass'. Below the fields are two buttons: 'Cancel' and 'Confirm'.

- You will find register data on the label:



- **Activate your account:** activate your iModCloud account by clicking the button and filling in required information for your account:



- After registering the device and activating the account you will see a similar view:

status	beep	ping	Odśwież parametry
2014-05-21 10:41			
Device is online			
Nazwa	Demo Unit #1		
Device ID	30000058		
Serial No	1883C40422C0		
Model	iMod-9400RW-3G		
VPN IP	10.8.55.3		
ETH IP	192.168.7.134		
GPRS IP	46.215.77.195		
STATUS			
NX Dynamics	Open		

- You can check if your device is properly connected by going to: Devices → *YourDevice* and clicking Ping or BEEP button at the top



If you have any problems with logging to iModCloud, don't hesitate to contact us.

Managing software packages

Following commands are to be used in terminal.

How to check what packages are installed

```
softmgr list
```

How to check for updates

```
softmgr checkall
```

How to update all packages

```
softmgr update all
```

How to update iMod package to the newest version

```
softmgr update imod_tiger -b x500-beta
```

Rescue mode

Instructions for rescue mode can be found [here](#)

Contact

- For further information on NPE and related products visit: <http://www.techbase.eu/en>
- The A2S.pl online catalog offers hardware and software products for purchase: <http://www.a2s.pl/en>
- For more information on iModCloud visit: <http://www.imodcloud.com/en/>

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