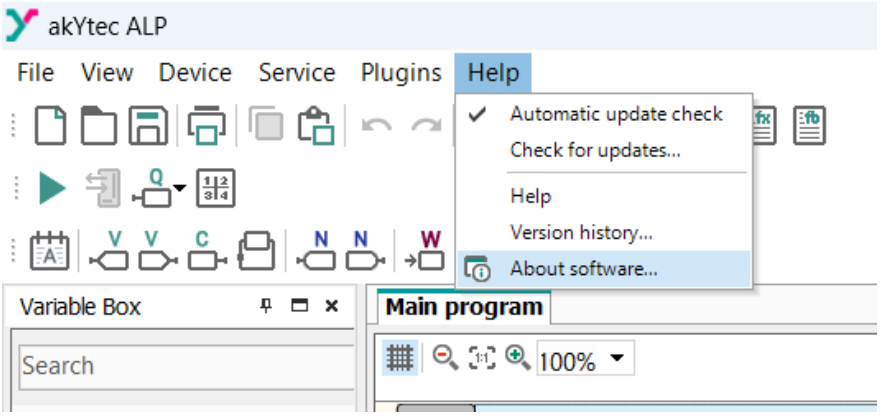
Adding Mx210 module to PR103 project

1. Pre requirements

For this you will need couple of things :

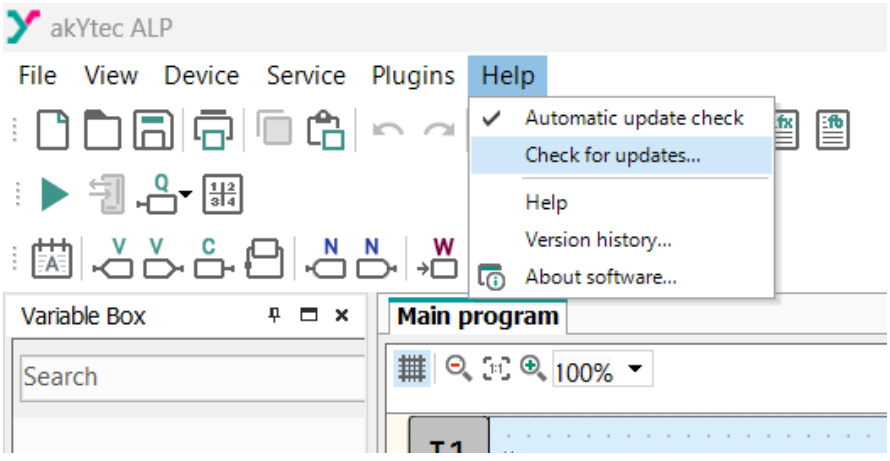
1. Newest ALP version (at the time of writing this document, that is 2.6.348.0)
2. akYtec Tool PRO
3. micro USB cable
4. Ethernet cable

If you don't know which **version of ALP** you have, then go to **HELP-About software** ,as shown on picture 1.1, to find it out.



Picture 1.1

If you have figured out that you don't have **required version of ALP**, you need to **update it**, but update function is working only on version 2.6 and newer, so you need to download 2.6 from our web site and then go to **HELP-Check for updates**, as shown on picture 1.2, to try and update it.



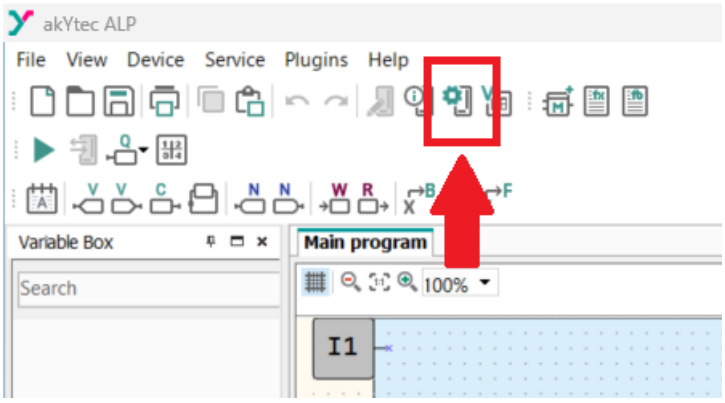
Picture 1.2

Now power up devices and connect them with **Ethernet cable**, connect PC to PR103, create project for it.

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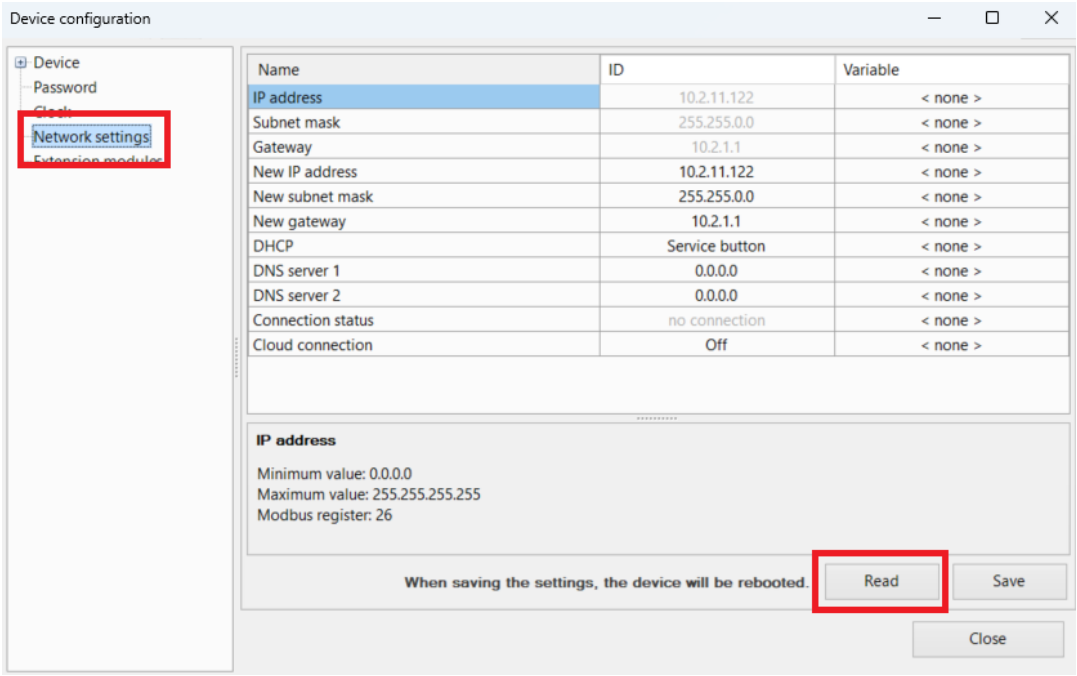
2. Checking current IP address of PR103

Now open **Device configuration**. To go to **Device configuration** click on **icon** shown on picture 2.1.



Picture 2.1 Device configuration icon

Now, in the **Device configuration** window, go to **Network settings**, and then click on **Read** button, as shown on Picture 2.2.



Picture 2.2 Network settings of PR103

Your **IP address, Subnet mask and Gateway** should have changed their **ID** compared to state before clicking **Read** button, as shown on picture 3.3.

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Name	ID
IP address	192.168.1.99
Subnet mask	255.255.0.0
Gateway	192.168.1.80
New IP address	10.2.11.122
New subnet mask	255.255.0.0
New gateway	10.2.1.1

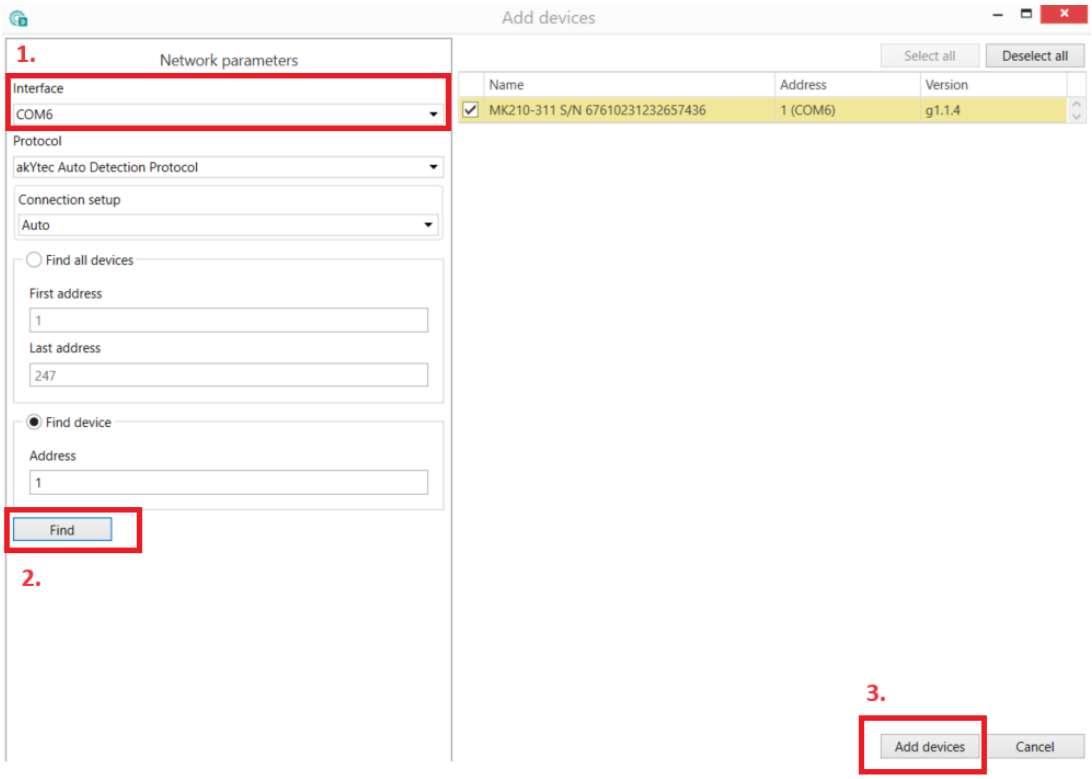
Picture 3.3 Network settings parameters after clicking Read button

Take a picture or screenshot of your network settings.

3. Setting up Mx210

First connect micro USB cable to Mx210 module. Note: it is best to **close ALP** now, because they will be "fighting" for that COM port and at the end you will not be able to see Mx210.

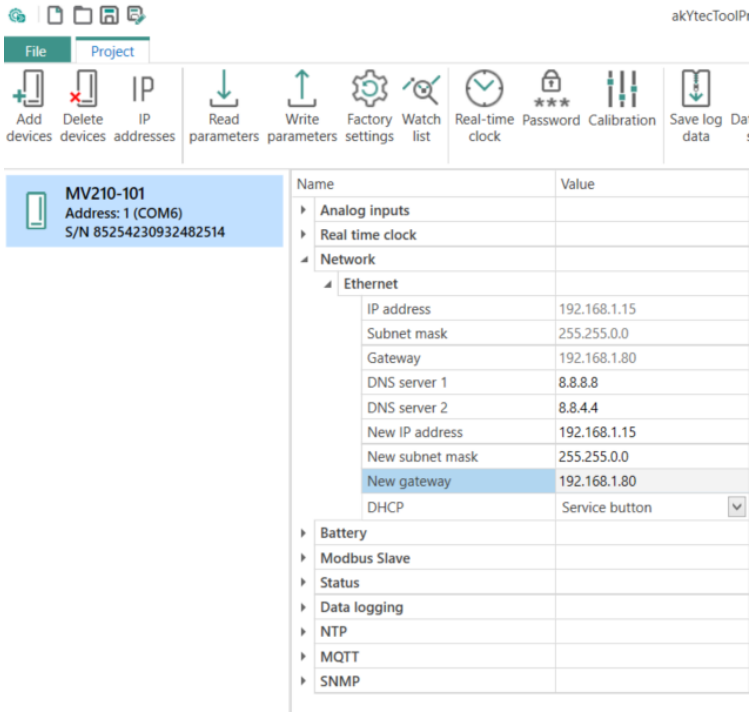
Nowe we need to open akYtec Tool PRO, in **Interface** field select COM port and then click **Find** button. At the end your device should be on the list, as shown on the picture 3.1.



Picture 3.1

Go to **Network** then **Ethernet** and now insert **IP address, Subnet mask and Gateway** of **PR103**, but change last number of the IP address. At the click **Write parameters.** (new parameters should be inserted into fields which start with NEW)

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Picture 3.2

To check are new parameters correctly implemented, you need to power down device (**power cable and micro USB**) and then power it back on. (you don't need to close **Tool PRO**).Result is shown on picture 3.2.

Change **Modbus Slave address** to your desire and click on **Write parameters**.

Close akYtec Tool PRO.

4. Back to PR103

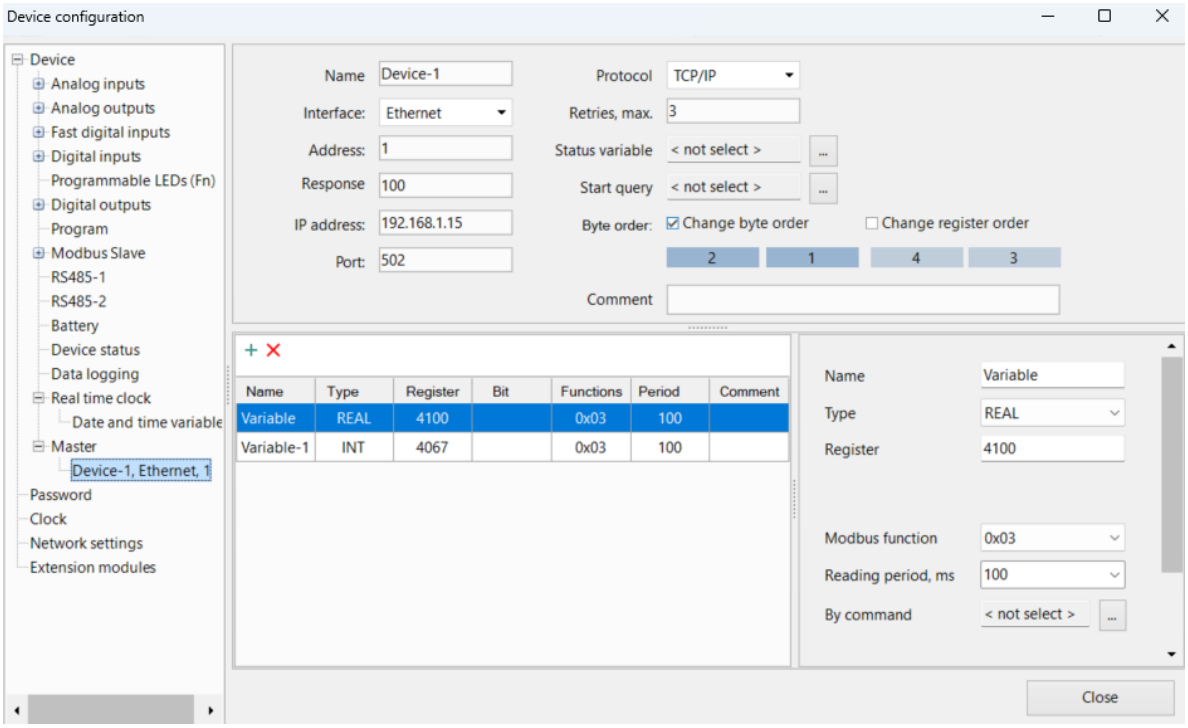
Open ALP, create project for PR103 and connect micro USB to PR103.

Open **device configuration** go to **Device-Master**, create slave (by right click of mouse on Master) and then insert:

1. Interface (Ethernet)
2. Address (of slave)
3. IP address (of slave)
4. Protocol (TCP/IP)

It should look like on picture 4.1 and for the end, create variables that you need.

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Picture 4.1

Upload project to PR103 and if everything is all right, then **Ethernet LED** on Mx210 should start blinking, ash shown on picture 4.2. (Variables created for Mx210 have to be used)

END.



Picture 4.2

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