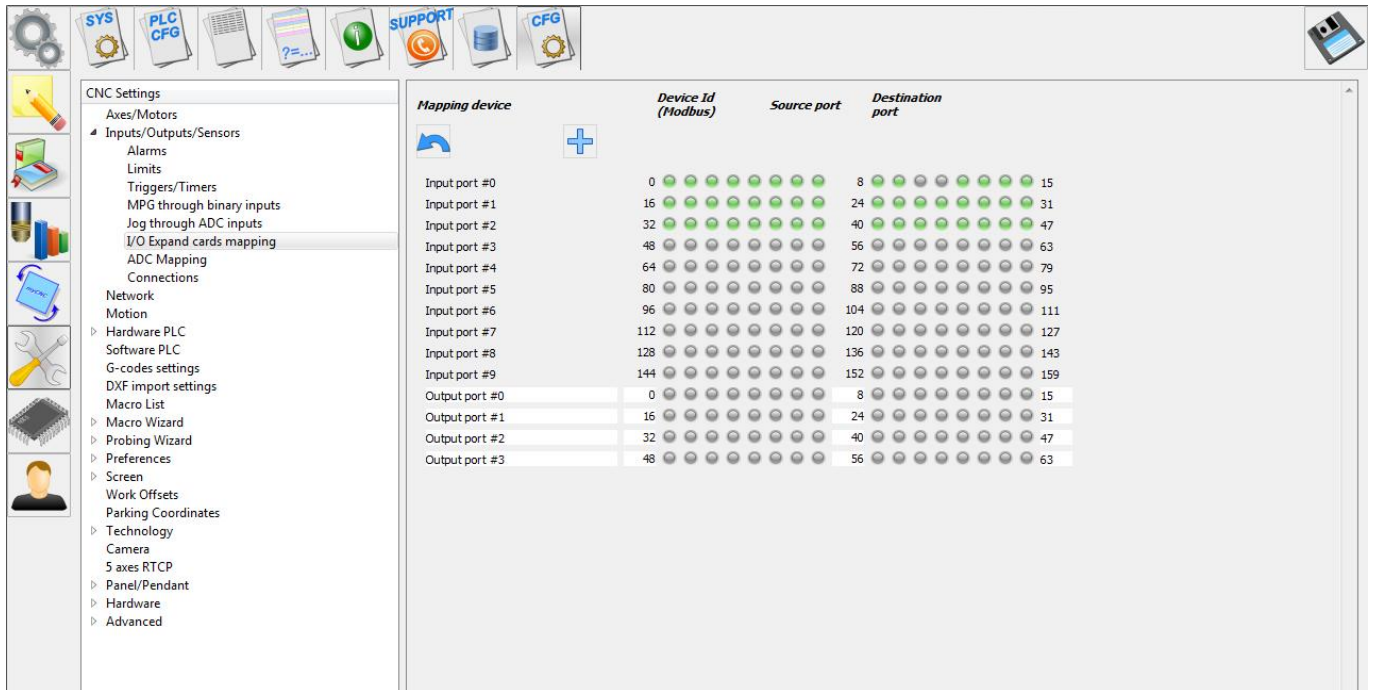


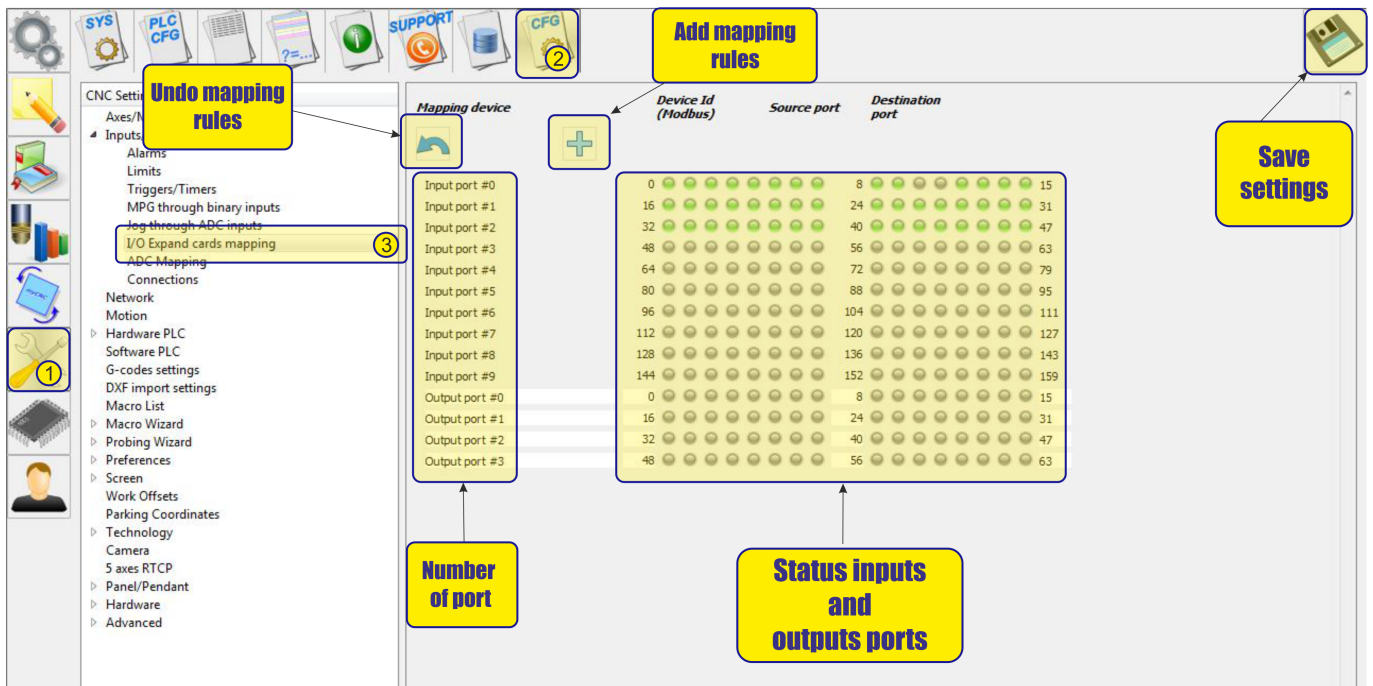
# I/O expand cards mapping

This menu allows you to reassignment the input and output port on the controller, as well as connect the ports of the remote device connected to the modbus as input or output ports of the controller.

Main window:



Basic functions:



- To create a rule, click the icon “add rules”

**Mapping device**

Not used

Device Id (Modbus) 0 Source port 0 Destination port 0

Input port #0 0 8 15

Input port #1 16 24 31

Input port #2 32 40 47

Input port #3 48 56 63

Input port #4 64 72 79

Input port #5 80 88 95

Input port #6 96 104 111

Input port #7 112 120 127

Input port #8 128 136 143

Input port #9 144 152 159

Output port #0 0 8 15

Output port #1 16 24 31

Output port #2 32 40 47

Output port #3 48 56 63

- Next, select the redirection conditions and the register for the mapping

**Mapping device**

Not used

Device Id (Modbus) 0 Source port 0 Destination port 0

ET10 encoders inputs

Modbus/Reg Inputs expansion

Modbus/Reg Outputs expansion

Modbus/Coil Input expansion

Modbus/Coil Output expansion

ETxx inputs

ETxx outputs

Input port #3 48 56 63

Input port #4 64 72 79

Input port #5 80 88 95

Input port #6 96 104 111

Input port #7 112 120 127

Input port #8 128 136 143

Input port #9 144 152 159

Output port #0 0 8 15

Output port #1 16 24 31

Output port #2 32 40 47

Output port #3 48 56 63

- After selecting the register for the mapping, the input or output register of the controller, where the selected registers will be redirected. An example is presented reassignment of the register of encoder inputs of the controller ET10 as a register of the controller's common inputs port 3

Mapping device

ET10 encoders inputs

Device Id (Modbus)



0

Source port

0

Destination port

3



Input port #0	0									8								15
Input port #1	16									24								31
Input port #2	32									40								47
Input port #3	48									56								63
Input port #4	64									72								79
Input port #5	80									88								95

- This example shows how to connect an external controller to the modbus interface. At the remote controller with id = 1 input port number 2 (inputs from 32 to 47) is pushed to the input virtual port of controller number 3 (inputs from 48 to 63). The LED layouts below show the state of the port for each of the inputs.

Mapping device

Modbus/Reg Inputs expansion

Device Id (Modbus)



1

Source port

2

Destination port

3



Input port #0	0									8								15
Input port #1	16									24								31
Input port #2	32									40								47
Input port #3	48									56								63

- Similarly, mapping is also established on output registers. At the remote controller with id = 1 output port number 2 (outputs from 32 to 47) is pushed to the output virtual port of controller number 3 (outputs from 48 to 63). The LED layouts below show the state of the port for each of the outputs).

Mapping device

Modbus/Reg Outputs expansion

Device Id (Modbus)



1

Source port

2

Destination port

3



Input port #0	0									8								15
Input port #1	16									24								31
Input port #2	32									40								47
Input port #3	48									56								63
Input port #4	64									72								79
Input port #5	80									88								95
Input port #6	96									104								111
Input port #7	112									120								127
Input port #8	128									136								143
Input port #9	144									152								159
Output port #0	0									8								15
Output port #1	16									24								31
Output port #2	32									40								47
Output port #3	48									56								63



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