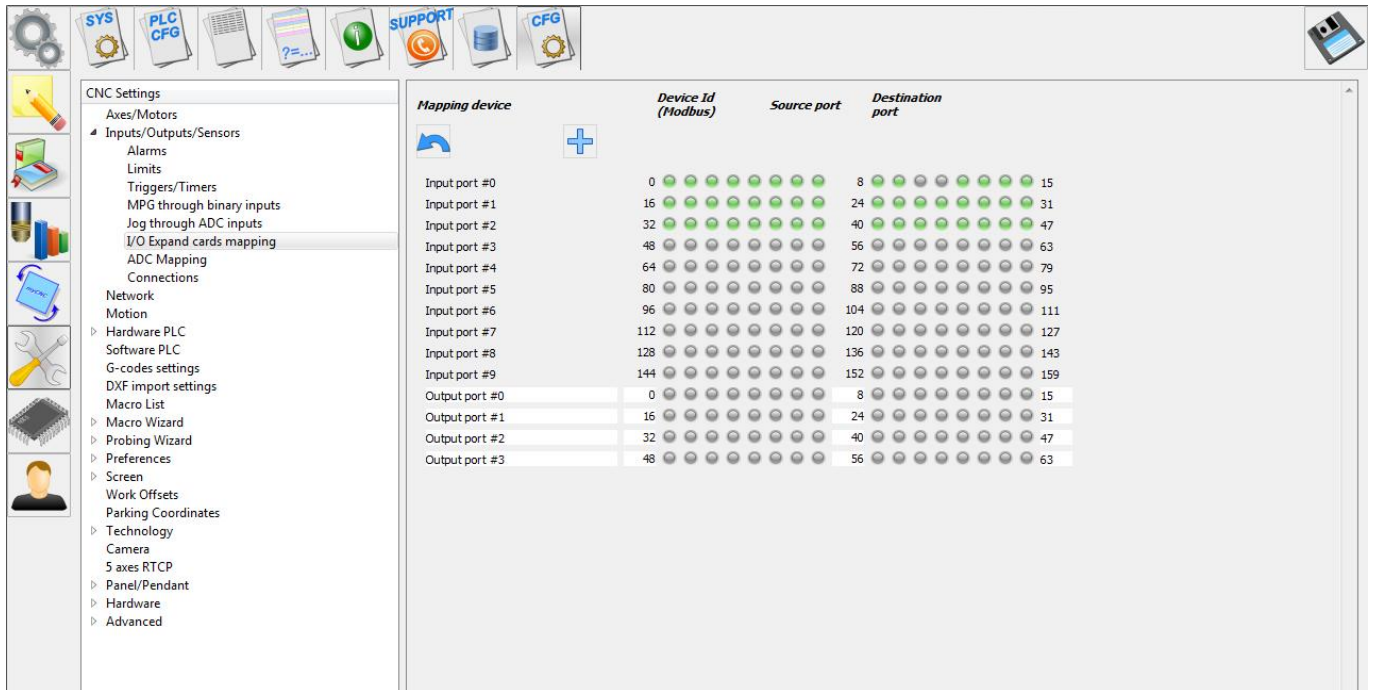


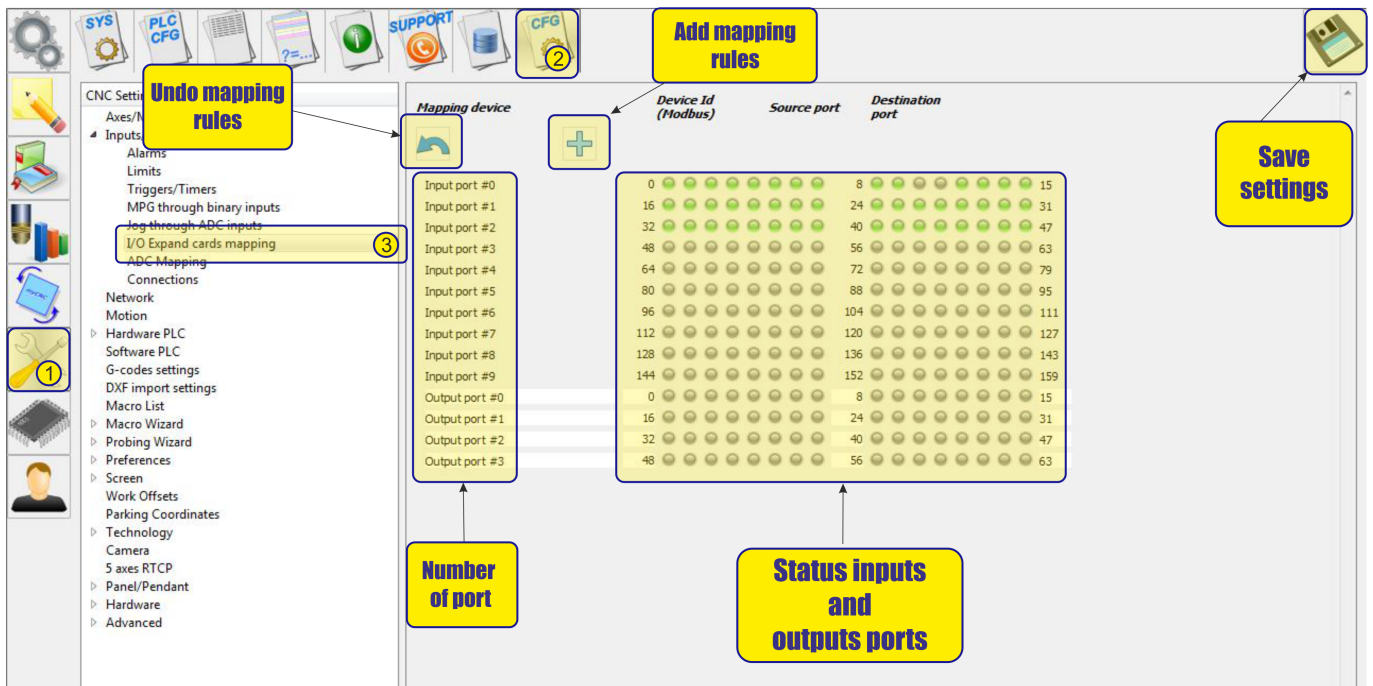
I/O expand cards mapping

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	Device Id (Modbus)	Source port	Destination port
Not used	0	0	0
Input port #0	0		8
Input port #1	16		24
Input port #2	32		40
Input port #3	48		56
Input port #4	64		72
Input port #5	80		88
Input port #6	96		104
Input port #7	112		120
Input port #8	128		136
Input port #9	144		152
Output port #0	0		8
Output port #1	16		24
Output port #2	32		40
Output port #3	48		56

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

Mapping device	Device Id (Modbus)	Source port	Destination port
Not used	0	0	0
ET10 encoders inputs	0		8
Modbus/Reg Inputs expansion	16		24
Modbus/Reg Outputs expansion	32		40
Modbus/Coil Input expansion	48		56
Modbus/Coil Output expansion	64		72
ETxx inputs	80		88
ETxx outputs	96		104
Input port #3	112		120
Input port #4	128		136
Input port #5	144		152
Input port #6	160		168
Input port #7	176		192
Input port #8	192		208
Input port #9	208		224
Output port #0	224		240
Output port #1	240		256
Output port #2	256		272
Output port #3	272		288

- 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	Device Id (Modbus)	Source port	Destination port
ET10 encoders inputs	0	0	3

Input port #	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Input port #0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Input port #1	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Input port #2	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Input port #3	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
Input port #4	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
Input port #5	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	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	Device Id (Modbus)	Source port	Destination port
Modbus/Reg Inputs expansion	1	2	3

Input port #	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Input port #0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Input port #1	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Input port #2	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Input port #3	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63

From:
<http://docs.pv-automation.com/> - myCNC Online Documentation

Permanent link:
http://docs.pv-automation.com/mycnc/i_o_expand_cards_mapping?rev=1537532064

Last update: **2018/09/21 08:14**

