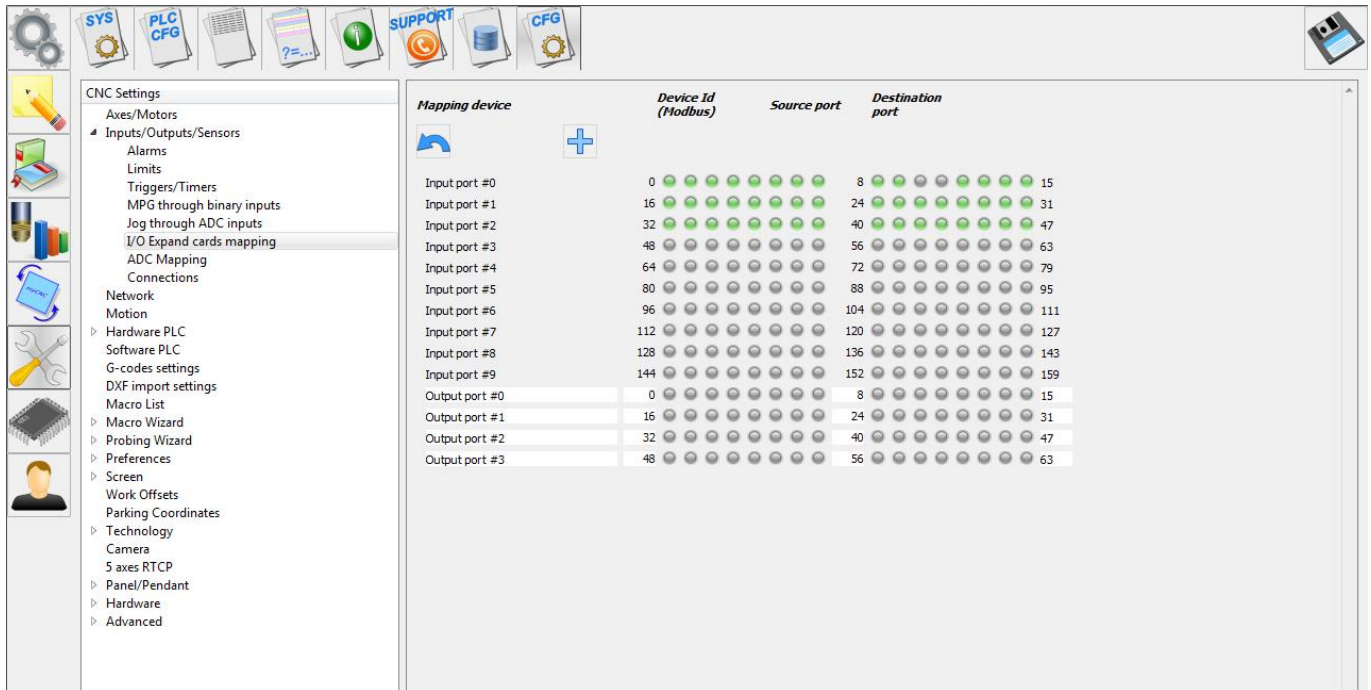


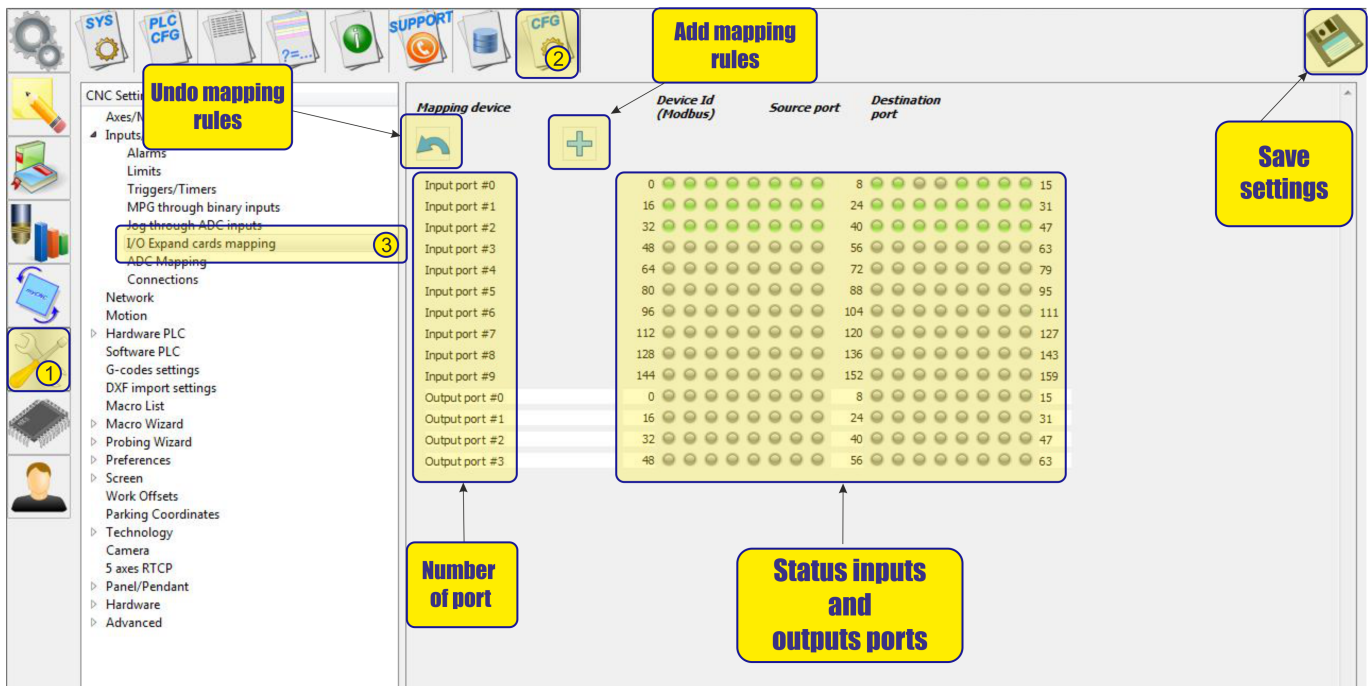
# I/O expand cards mapping

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

ET10 encoders inputs  
Modbus/Reg Inputs expansion  
Modbus/Reg Outputs expansion  
Modbus/Coil Input expansion  
Modbus/Coil Output expansion  
ETxx inputs  
ETxx outputs

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				

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

- 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	Device Id (Modbus)	Source port	Destination port
Modbus/Reg Outputs 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
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
Input port #6	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
Input port #7	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
Input port #8	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
Input port #9	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
Output port #0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Output port #1	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Output port #2	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Output port #3	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63



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