OpenPLC

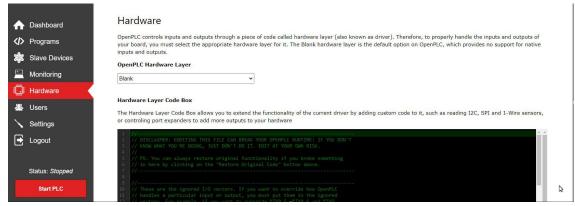
Runtime setup

Arduino Uno-F5 Arduino Mega-F5

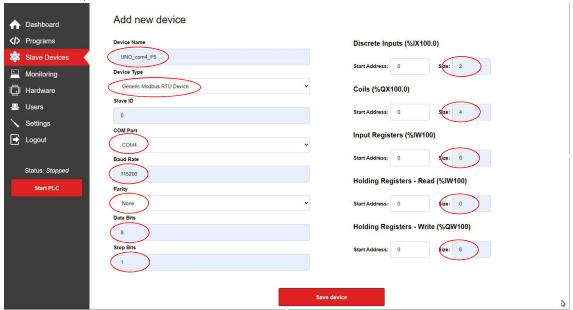
DIDACTA ADVANCE d.o.o. Čakovec, Croatia (EU) www.didacta.hr

1. Arduino Uno + Uno-F5/T5

OpenPLC Home site: https://www.openplcproject.com/runtime/ Install OpenPLC on your PC and upload firmware to UNO or Mega board. Start Runtime in web browser.



Hardware setup to: Blank

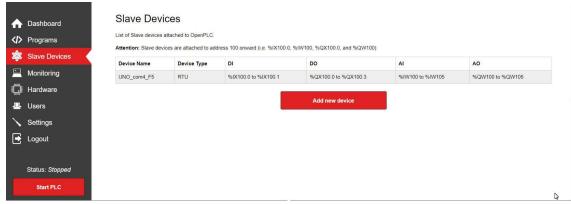


Device Name: as you wish.

Device Type: Generic Modbus RTU Device. **COM port**: to which the Arduino is connected.

Baud Rate: 115200

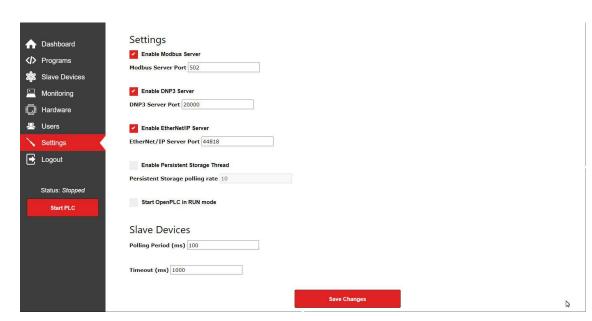
Parity: None Data Bits: 8 Stop Bits: 1 Descrete Inputs (%IX100.0):start 0 Size 2.
Coils (%QX100.0):start 0 Size 4.
Input Registers (%IW100):start 0 Size 6.
Holding Registers - Read(%IW100):start 0 Size 0.
Holding Registers - Write(%QW100.0): start 0 Size 6.



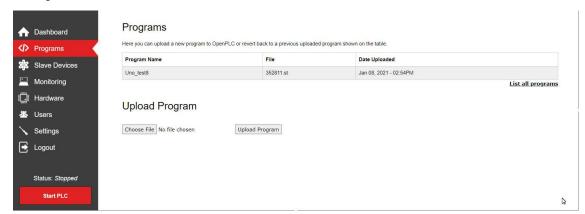
Input and Output address (Uno-F5):

```
AI - analog inputs (A0 - A5) .......%IW100 - %IW105
AO - analog outputs (3,5,6,9,10,11) %QW100 - %Qw105
DI - digital inputs (2,7) ......%IX100.0 - %QI100.1
```

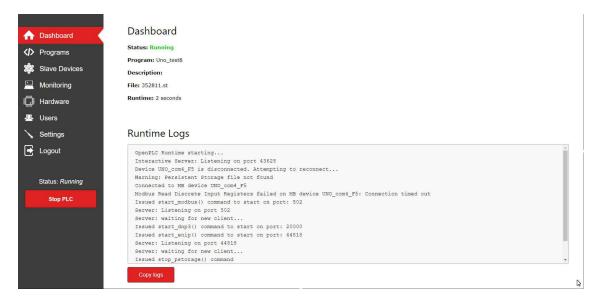
DO - digital ouputs (4,8,12,13)%QX100.0 - %QX100.3



Settings: default



Uploaded programs list.

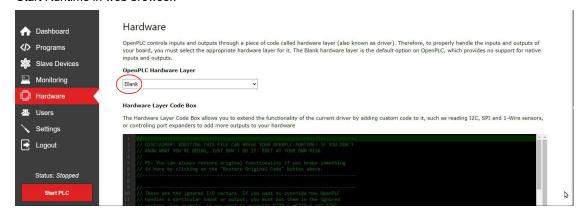


Uploaded program is running.

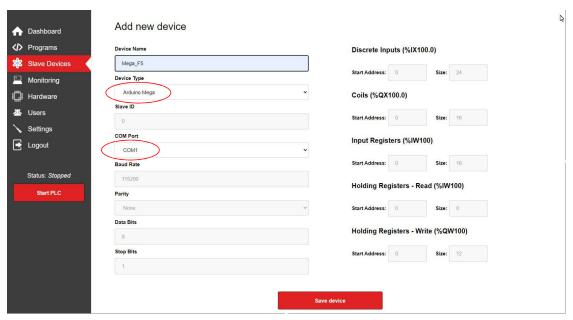
9

2. Arduino Mega + Mega-F5/T5

Start Runtime in web browser.

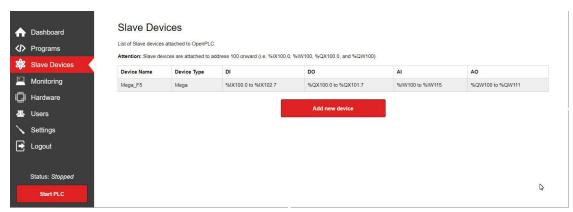


Hardware setup to: Blank



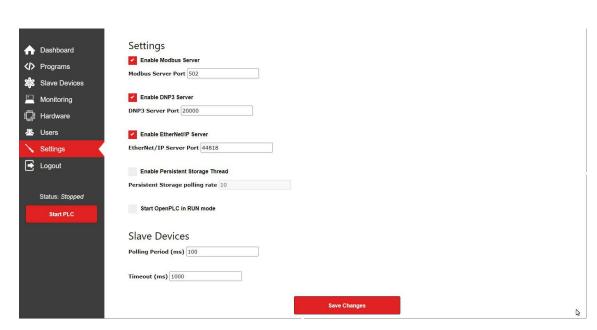
Device Name as you wish. **COM port** to which the Arduino is connected.

For **Device Type** select Arduino Mega.

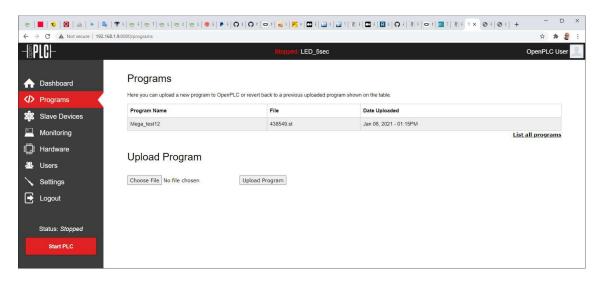


Input and Output address (Mega-F5):

Al - analog inputs (A0 - A11) %IW100 - %IW111 AO - analog outputs (2 - 13) %QW100 - %QW111 DO - digital ouputs (16 - 17) %QX100.0 - %QX100.1



Settings: default



Uploaded programs list.

Arduino Uno - F5 / T5					
Inputs		Location	Type		
	2	%IX100.0	BOOL		
	7	%IX100.1	BOOL		
	A0	%IW100	WORD		
	A1	%IW101	WORD		
	A2	%IW102	WORD		
	A3	%IW103	WORD		
	A4	%IW104	WORD		
	A5	%IW105	WORD		
Outputs					
	3	%Qw100	WORD		
	5	%QW101	WORD		
	6	%QW102	WORD		
	9	%QW103	WORD		
	4	%QX100.0	BOOL		
	8	%QX100.1	BOOL		
	10	%QW104	WORD		
	11	%QW105	WORD		

Arduino Mega - F5 / T5				
Inputs		Location	Туре	
	Α0	%lw100	WORD	
	A1	%IW101	WORD	
	A2	%IW102	WORD	
	A3	%IW103	WORD	
	A4	%IW104	WORD	
	A5	%IW105	WORD	
	A6	%IW106	WORD	
	A7	%IW107	WORD	
	A8	%IW108	WORD	
	A9	%IW109	WORD	
	A10	%IW110	WORD	
	A11	%IW111	WORD	
Outputs		Location	Type	
	16	%QX100.0	BOOL	
	17	%QX100.1	BOOL	
	4	%QW102	WORD	
	5	%QW103	WORD	
	6	%QW104	WORD	
	7	%QW105	WORD	
	8	%QW106	WORD	
	9	%QW107	WORD	
	10	%QW108	WORD	
	11	%QW109	WORD	
	12	%QW110	WORD	
	13	%QW111	WORD	