

SAIA PCD S-Bus mode

SAIA PCD series S-Bus mode.

<http://www.saia-burgess.com/>

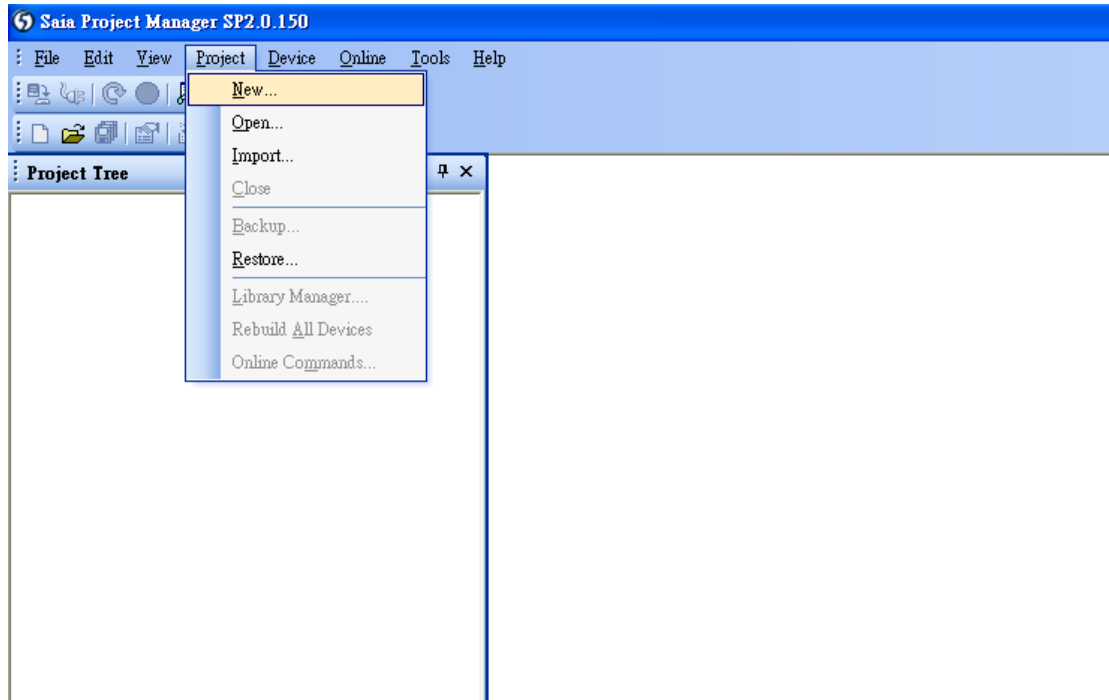
HMI Setting:

Parameters	Recommend	Option	Notes
PLC type	SAIA PCD S-BUS mode	SAIA PCD PGU mode	PDS driver
Com port	RS232	RS232, RS485	
Baud rate	9600	9600, 19200, 38400	
Parity bit	None	Even, Odd, None	
Data Bits	8	7,8	
Stop Bits	1	1	
HMI Station No.	0		
PLC Station No.	1	0-255	

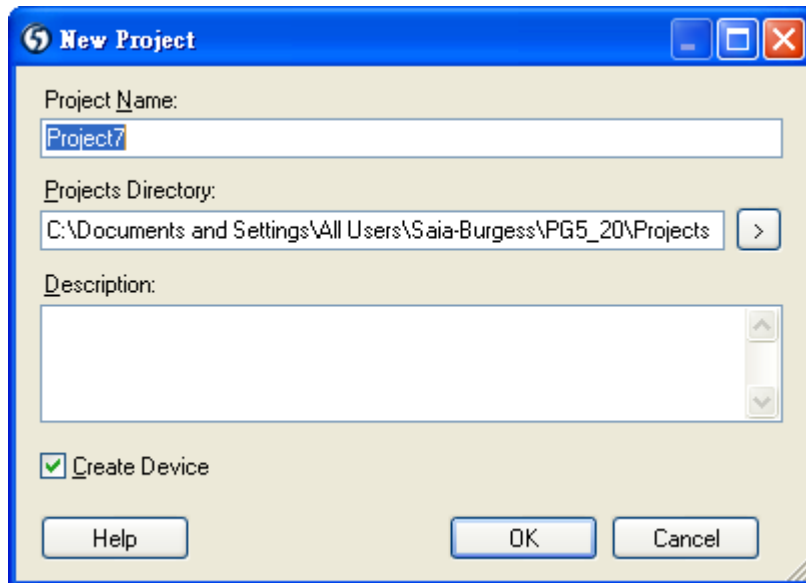
PLC Setting:

Communication mode	9600,N,8,1(default)
RS232	Port 0-Type:RS232
RS485 2W	S-BUS Mode:Data(S2),Port 1-Type:RS485

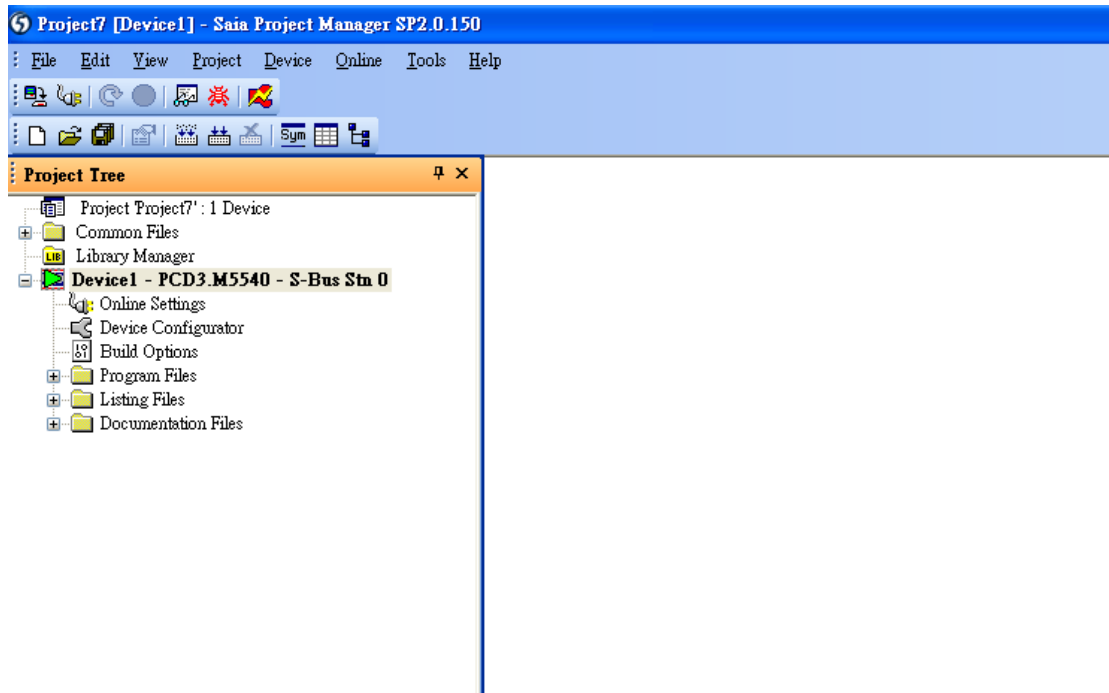
1. Open Saia Project Manager SP2.0.150 and create a new project



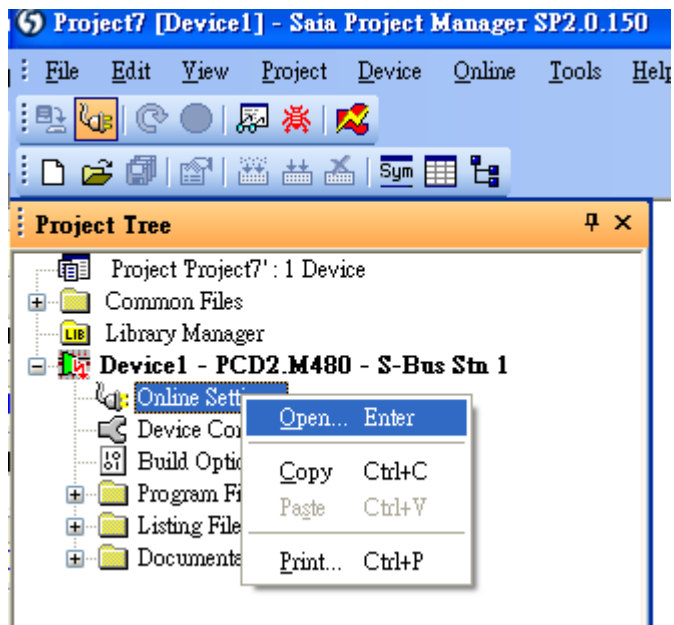
2. Give a project name



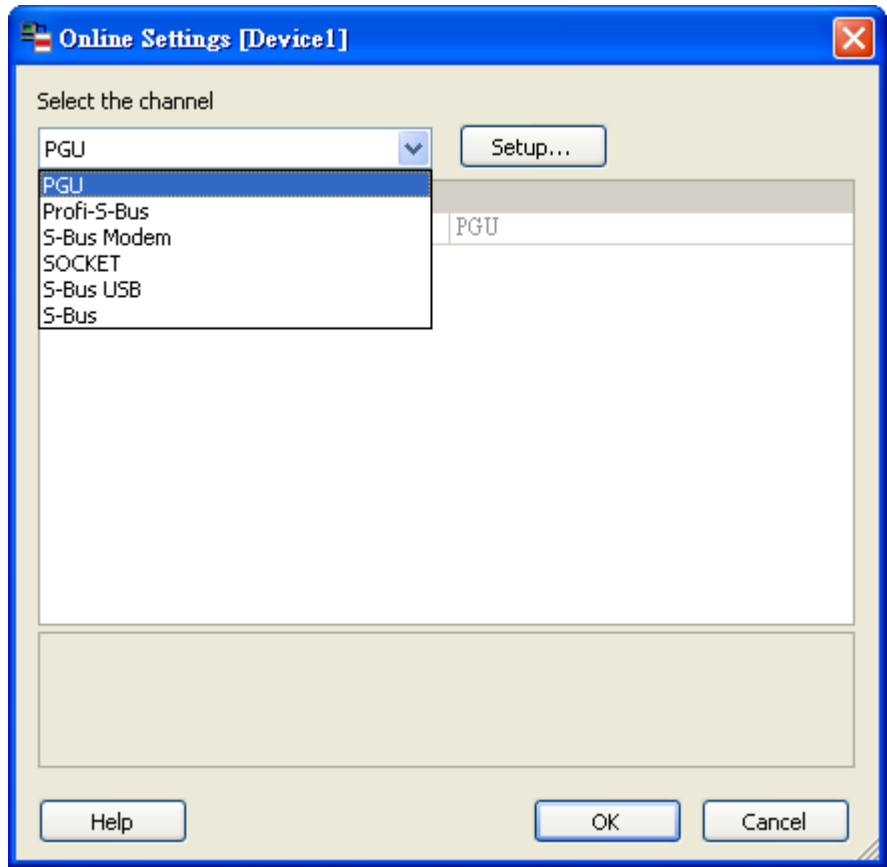
3. Create a new project as below,



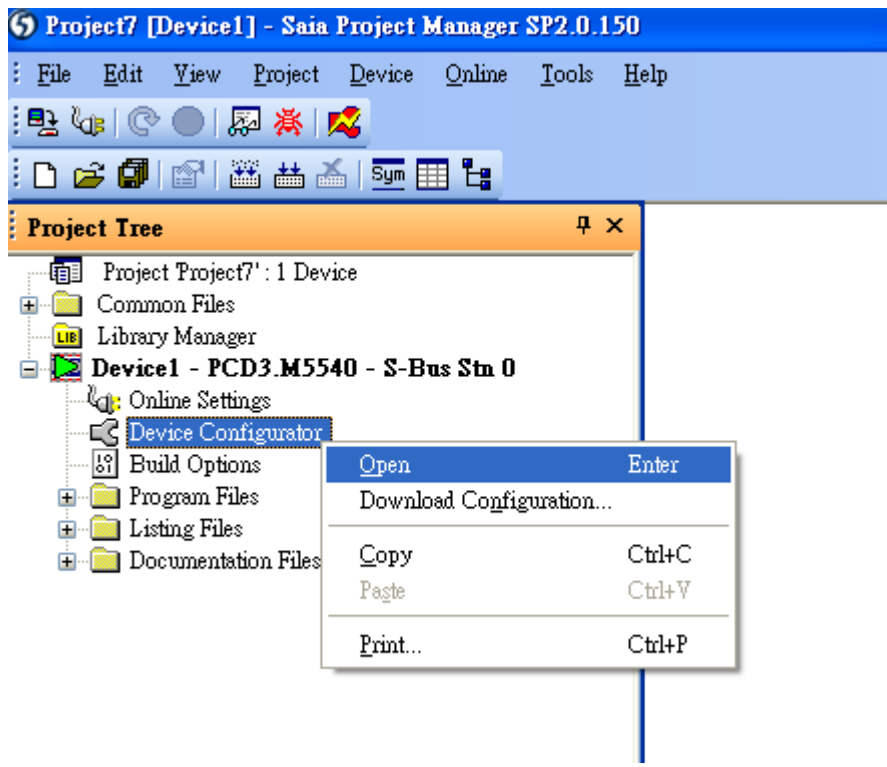
4. Go to Online Setting



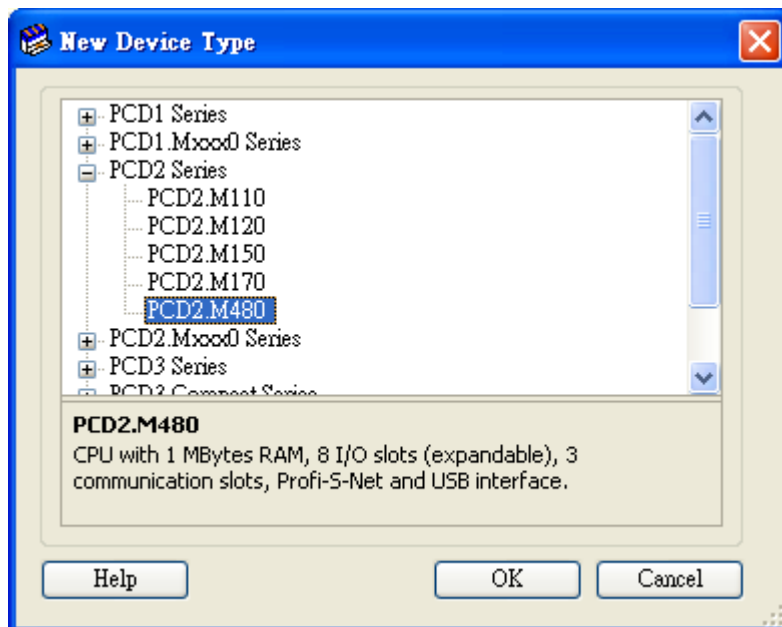
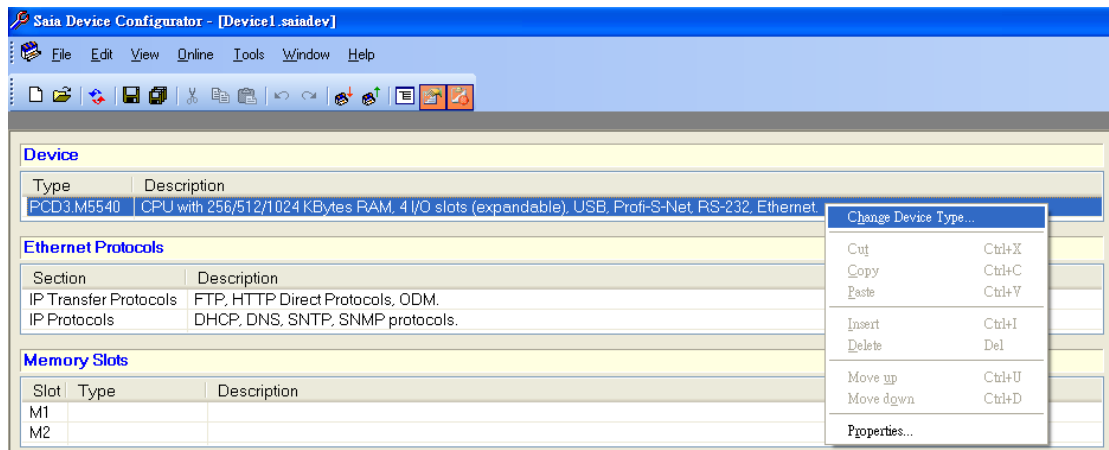
5. Select PGU



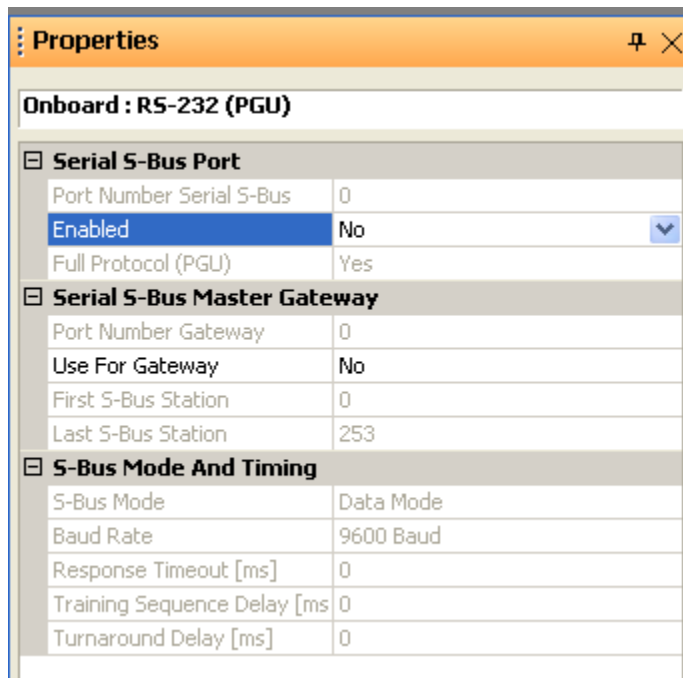
6. Go to "Device Configurator"



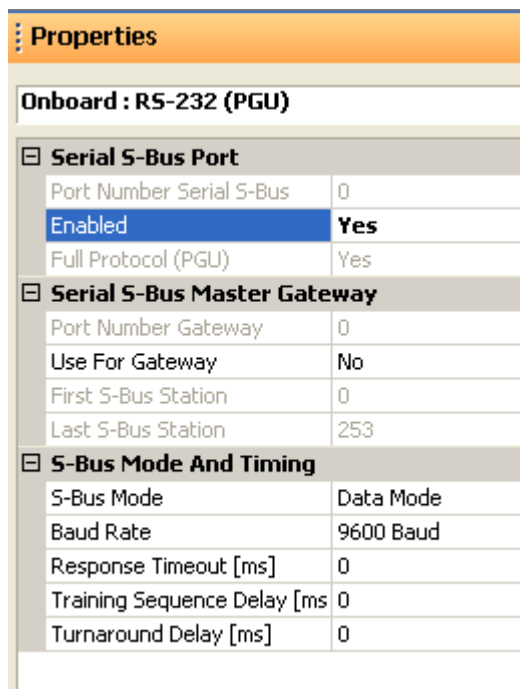
7. Press " Change Device Type" to select your PLC model.



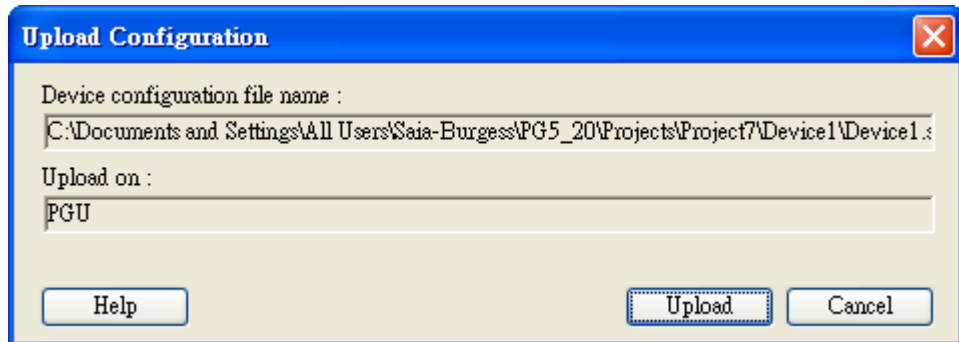
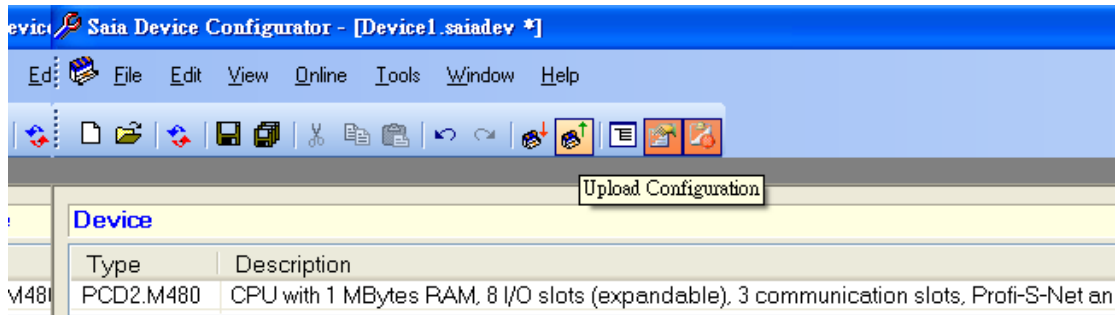
8. Select RS232(PGU) in Type and then right click mouse on Onboard Communications and select " Properties"



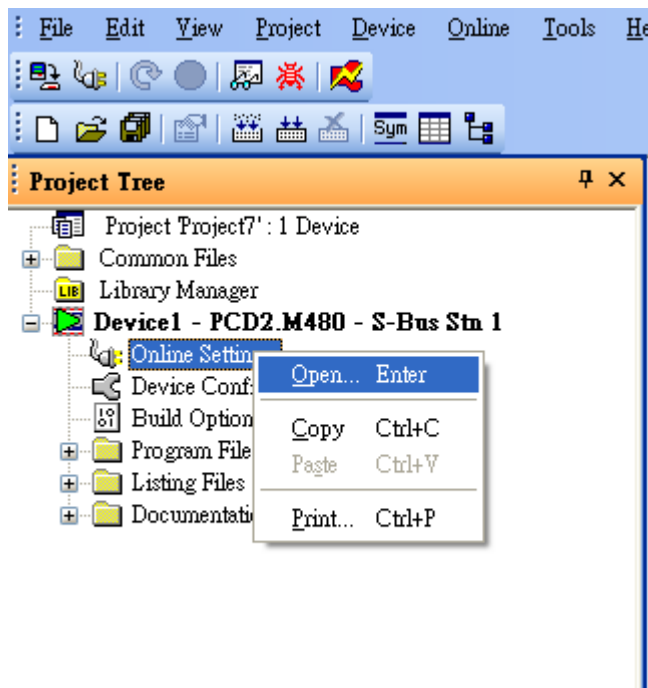
9. Select Yes in Series S-Bus Port : Enabled

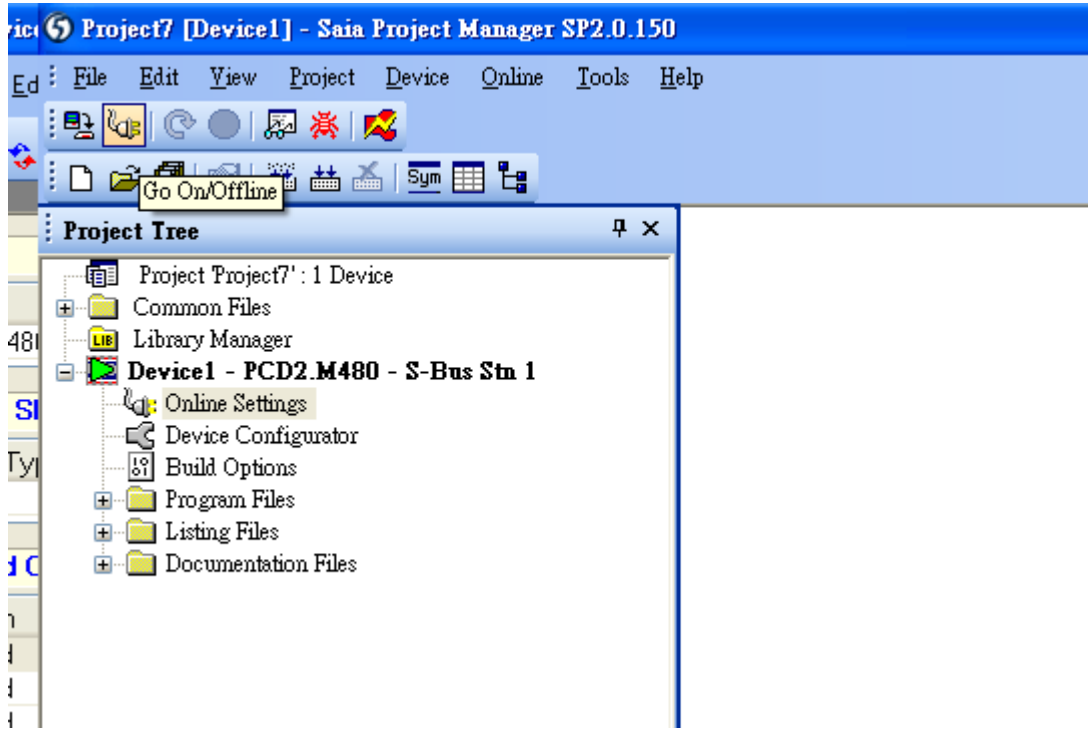
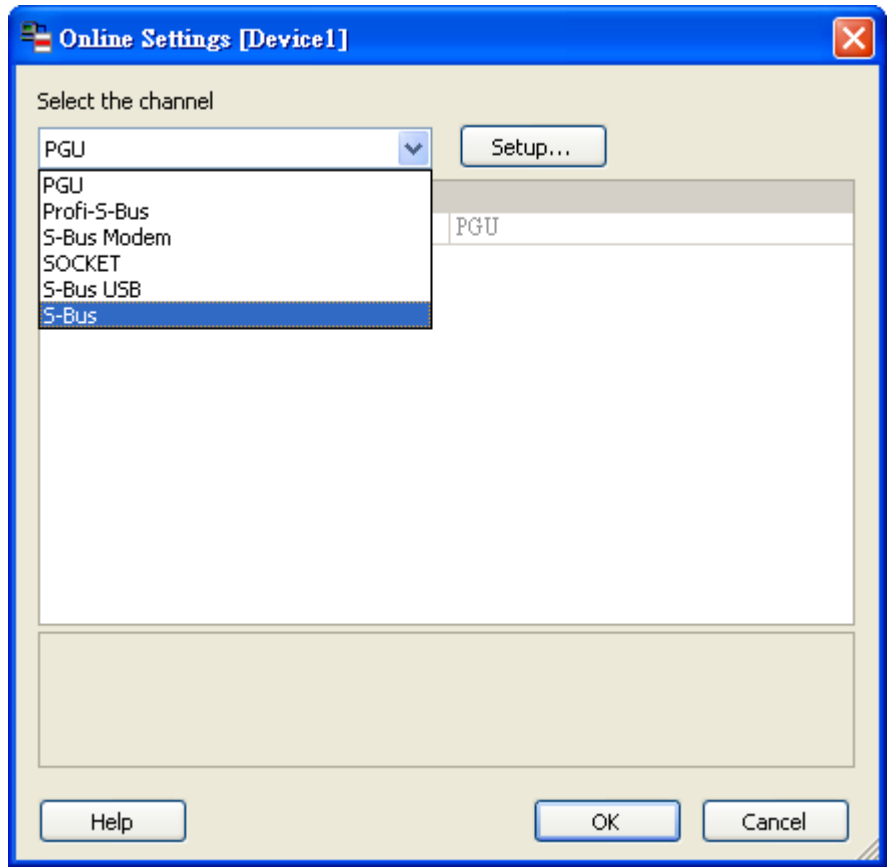


10. Setting parameters in S-Bus Mode And Timing and upload to PLC.



11. Go to Online Settings >> Open to select S-Bus for finishing the PLC settings.



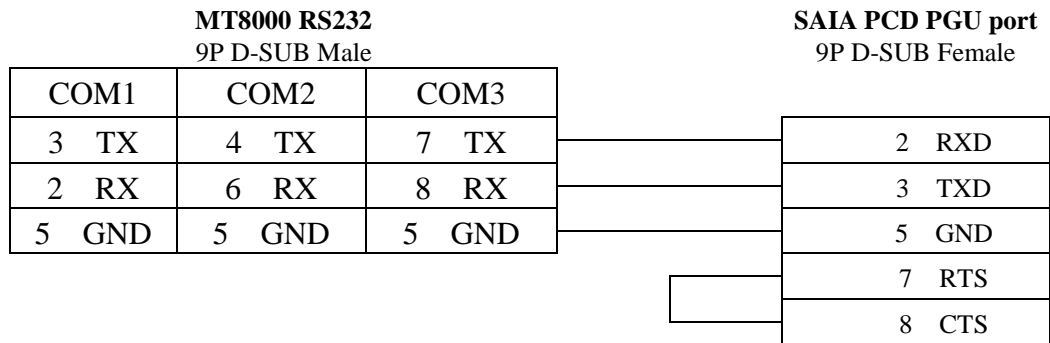


Device address:

Bit/Word	Device Type	Format	Range	Memo
B	Flag	DDDD	0~8191	
B	Input	DDDD	0~1023	
B	Output	DDDD	0~1023	
B	Reg_Bit	DDDDdd	0~1638331	dd:Bit no. (00~31)
D	Register	DDDDD	0~16383	
D	Counter	DDDD	0~1599	
D	Timer	DDDD	0~1599	
D	Reg_Float	DDDDD	0~16383	support single float point

Wiring diagram:

RS232:



RS485:

