

SAIA PCD S-BUS Mode

Supported Series: SAIA PCD series S-Bus mode.

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

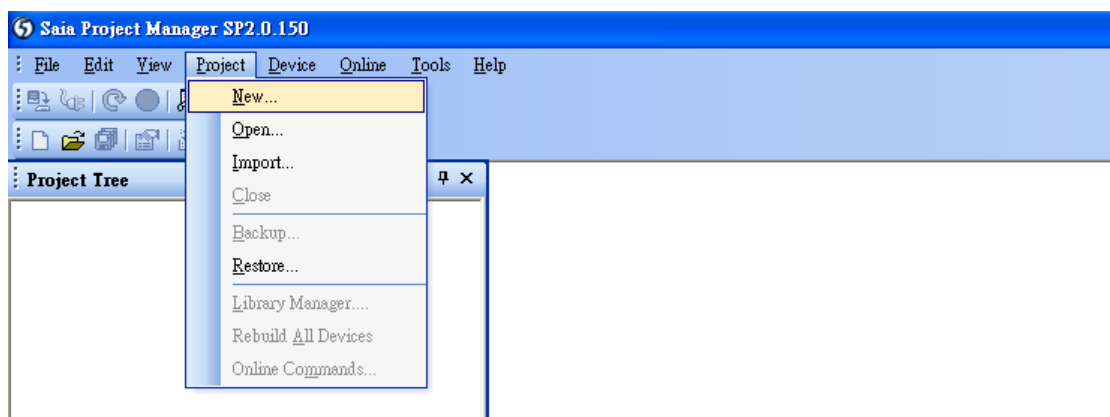
HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	SAIA PCD S-BUS Mode		PDS driver
PLC I/F	RS232	RS232, RS485	
Baud rate	9600	9600, 19200, 38400	
Data bits	8	7,8	
Parity	None	Even, Odd, None	
Stop bits	1	1	
PLC sta.	0	0-255	

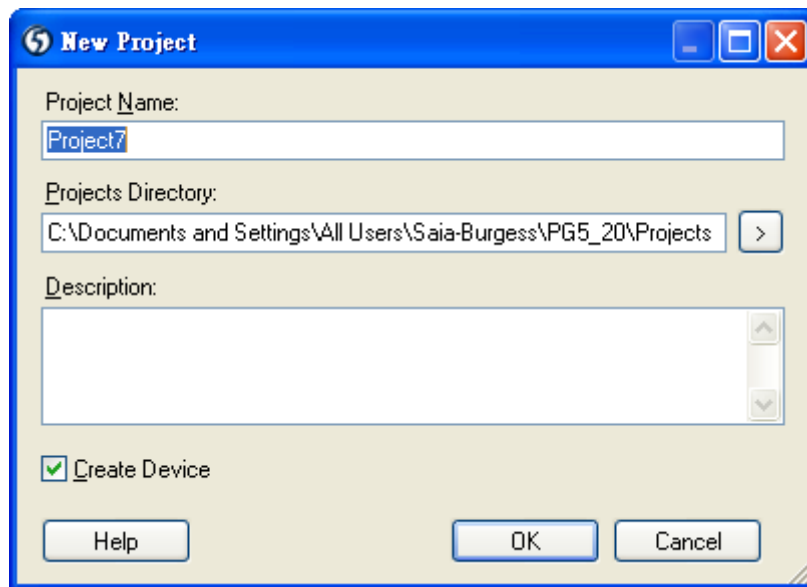
PLC Setting:

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

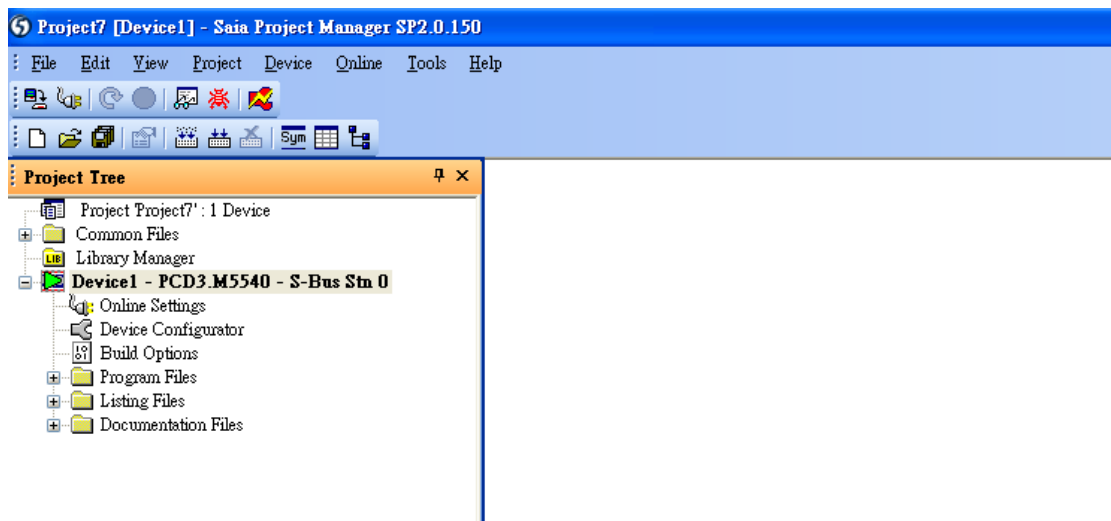
1. Open Saia Project Manager SP2.0.150 and create a new project.



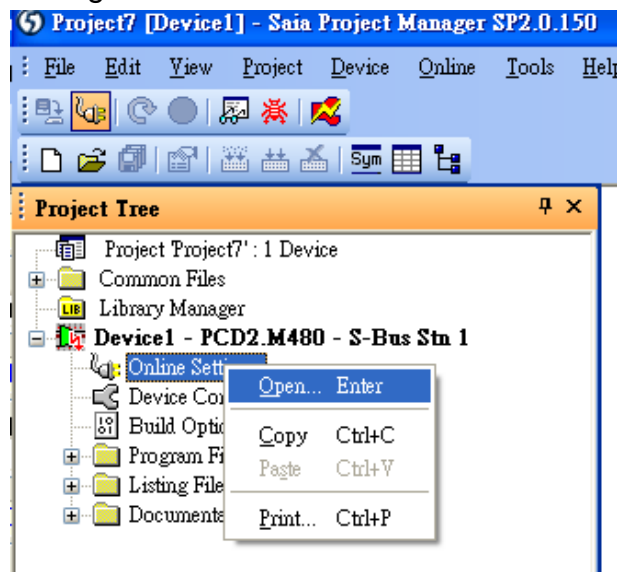
2. Give a project name.



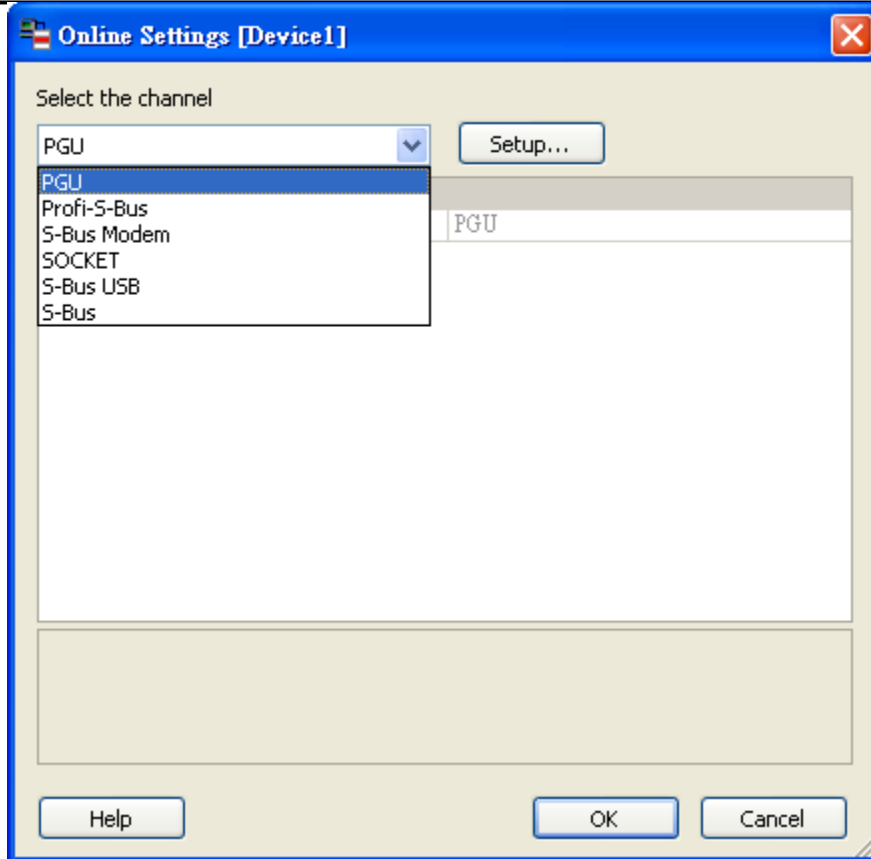
3. Create a new project as below.



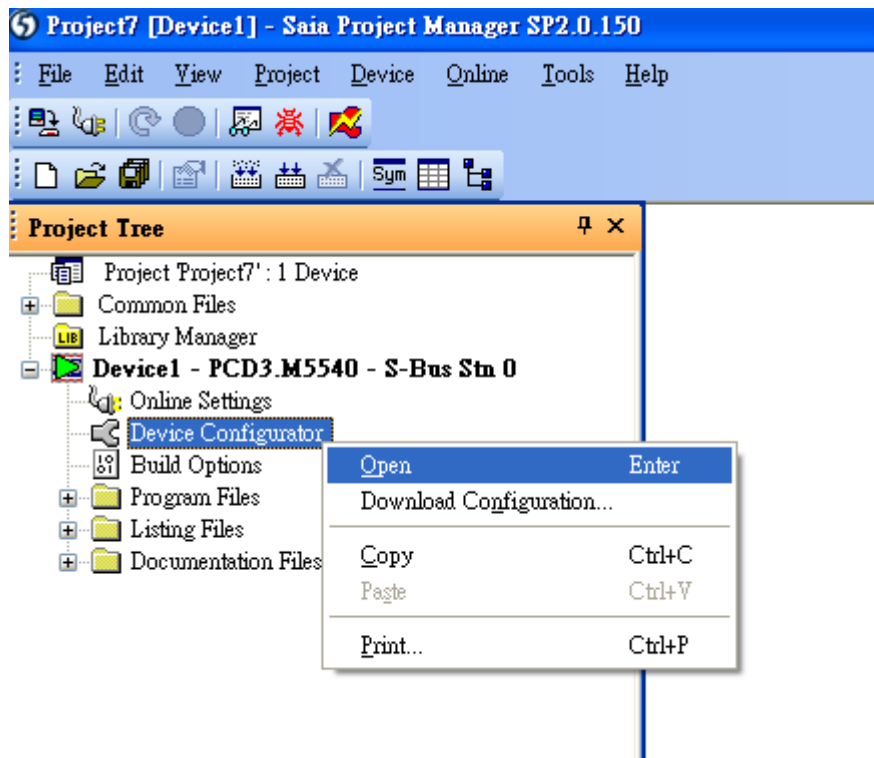
4. Go to "Online Setting".



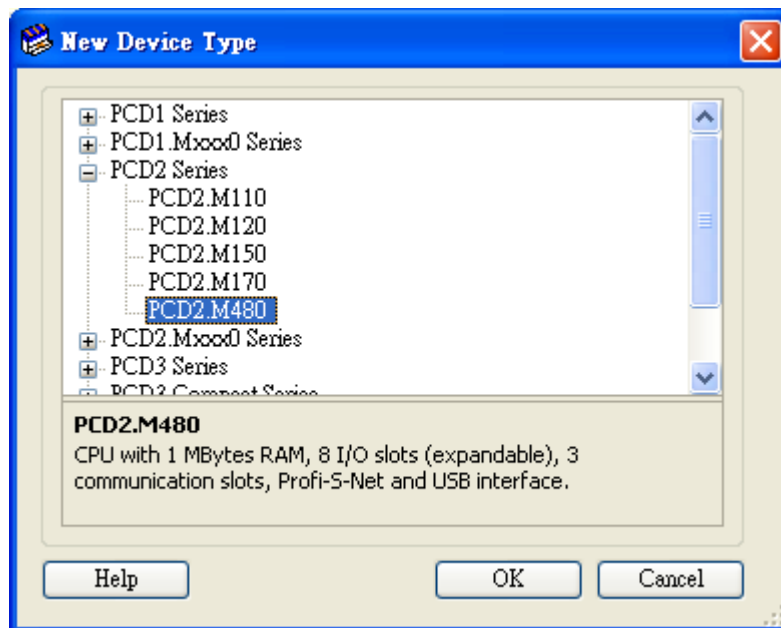
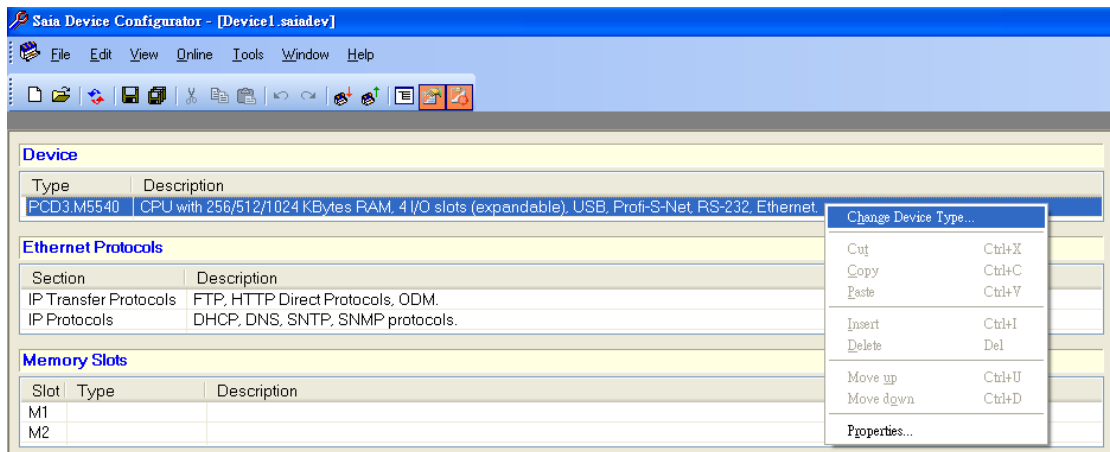
5. Select "PGU".



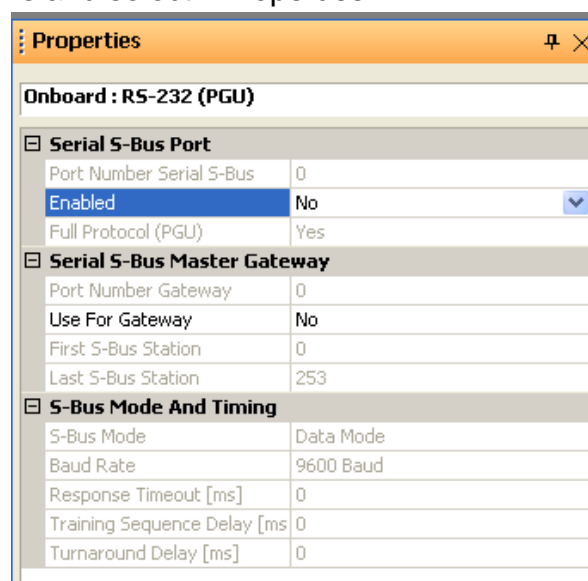
- Go to "Device Configurator".



- Click "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.

Properties

Onboard : RS-232 (PGU)

Serial S-Bus Port

Port Number Serial S-Bus	0
Enabled	Yes
Full Protocol (PGU)	Yes

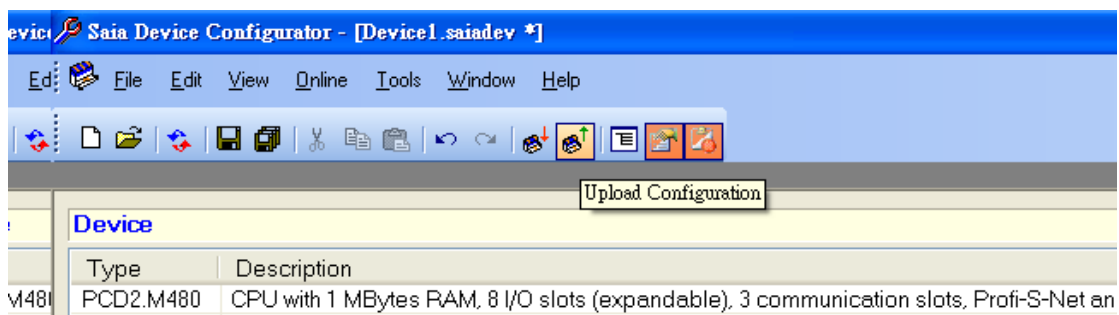
Serial S-Bus Master Gateway

Port Number Gateway	0
Use For Gateway	No
First S-Bus Station	0
Last S-Bus Station	253

S-Bus Mode And Timing

S-Bus Mode	Data Mode
Baud Rate	9600 Baud
Response Timeout [ms]	0
Training Sequence Delay [ms]	0
Turnaround Delay [ms]	0

10. Set parameters in S-Bus Mode and Timing then upload to PLC.



Upload Configuration

Device configuration file name :

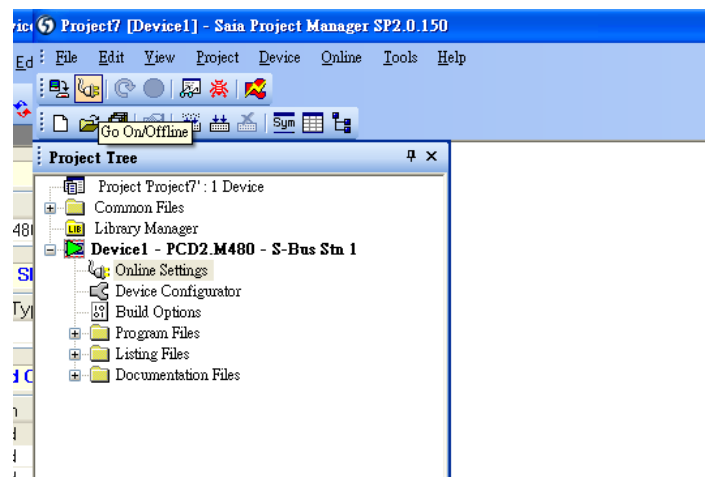
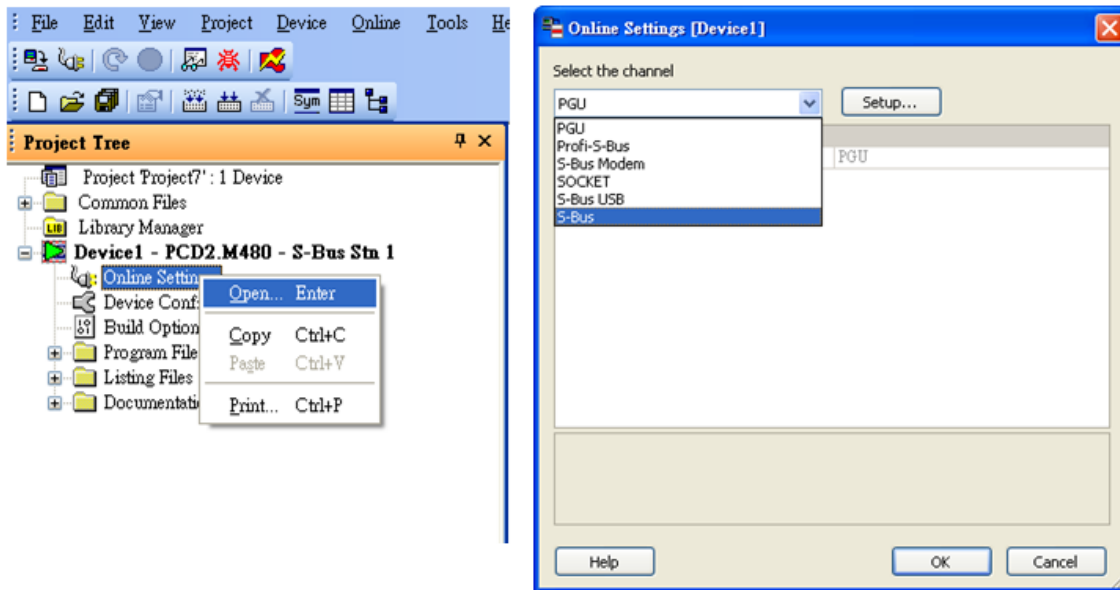
C:\Documents and Settings\All Users\Saia-Burgess\PG5_20\Projects\Project7\Device1\Device1.s

Upload on :

PGU

Help Upload Cancel

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	Output	DDDD	0 ~ 1023	
B	Input	DDDD	0 ~ 1023	
B	Reg_Bit	DDDDdd	0 ~ 1638331	dd: Bit no. (00~31)
DW	Register	DDDDD	0 ~ 16383	
DW	Counter	DDDD	0 ~ 1599	
DW	Timer	DDDD	0 ~ 1599	
DW	Reg_Float	DDDDD	0 ~ 16383	support single float point
DW	DBn	DDDDDDDD	0 ~ 536016383	

Wiring Diagram:

SAIA PCD PGU Port RS232 9P D-Sub (Diagram 1 ~ Diagram 3)

Diagram 1

cMT Series	<i>cMT3151</i>
eMT Series	<i>eMT3070 / eMT3105 / eMT3120 / eMT3150</i>
MT-iE	<i>MT8073iE / MT8102iE</i>
MT-XE	<i>MT8092XE</i>
MT-iP	<i>MT6103iP</i>

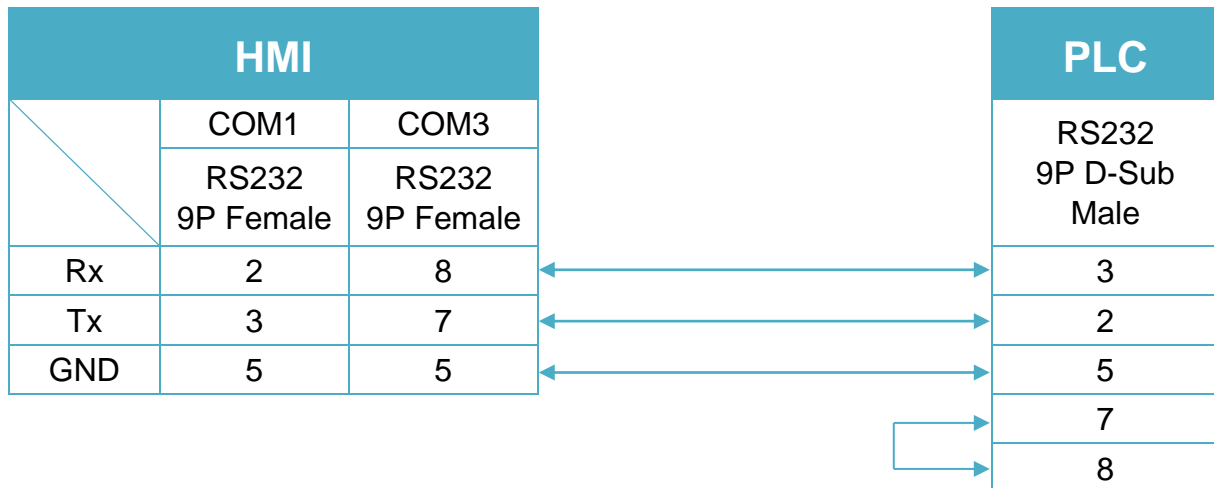


Diagram 2

cMT Series	<i>cMT-SVR</i>
mTV	<i>mTV</i>
MT-iE	<i>MT8070iE / MT6070iE / MT8100iE / MT8121iE / MT8150iE / MT8071iE / MT6071iE / MT8072iE / MT6072iE / MT8073iE / MT8101iE / MT8102iE / MT8103iE</i>
MT-XE	<i>MT8121XE / MT8150XE / MT8090XE</i>

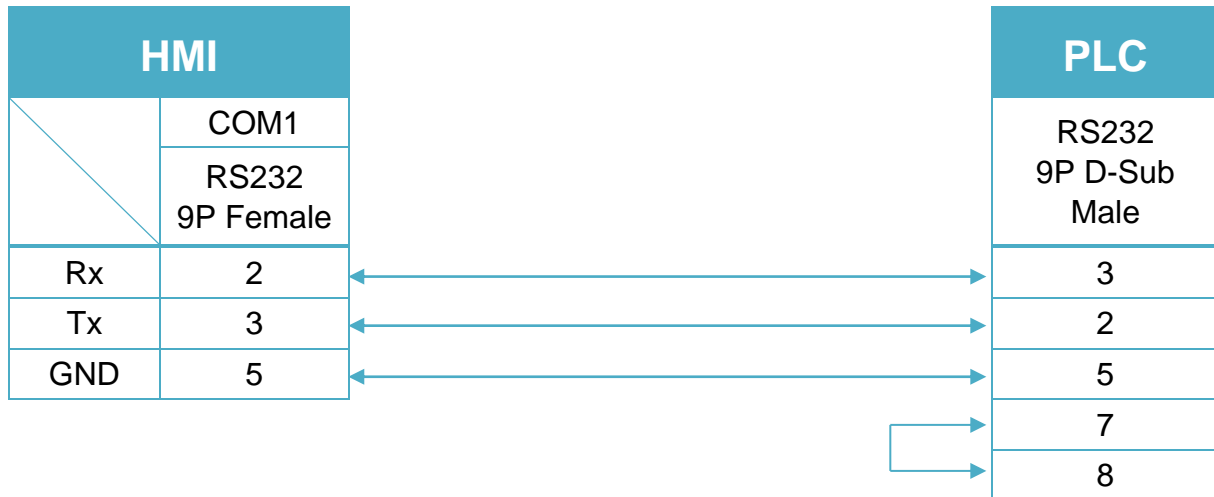
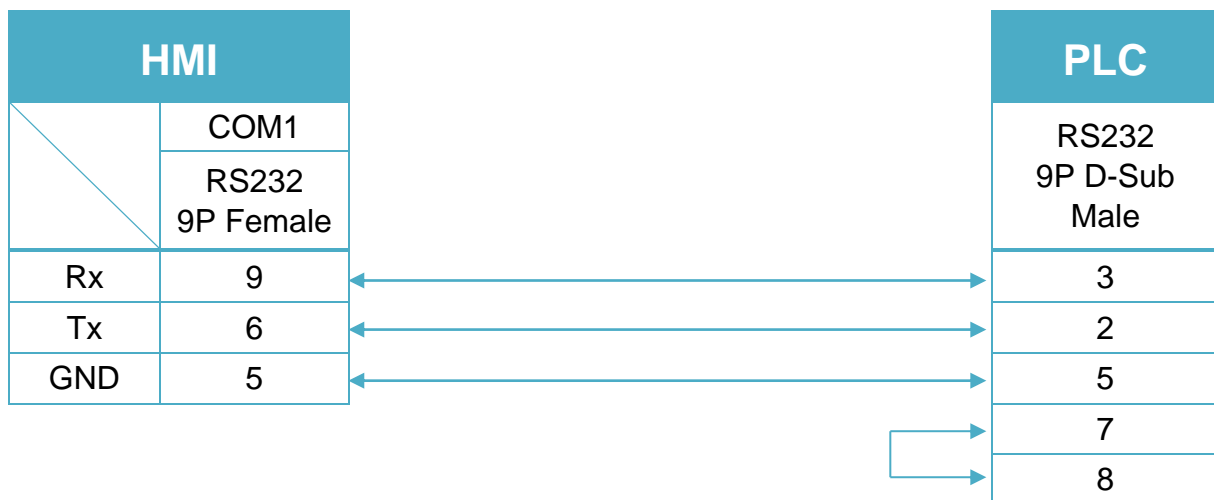


Diagram 3

MT-iE *MT8050iE*

MT-iP *MT6051iP / MT6071iP / MT8071iP*



SAIA PCD1 Port #1 (Port #0) Terminal (Diagram 4 ~ Diagram 9)

Diagram 4

cMT Series

cMT3151

eMT Series

eMT3070/ eMT3105 / eMT3120 / eMT3150

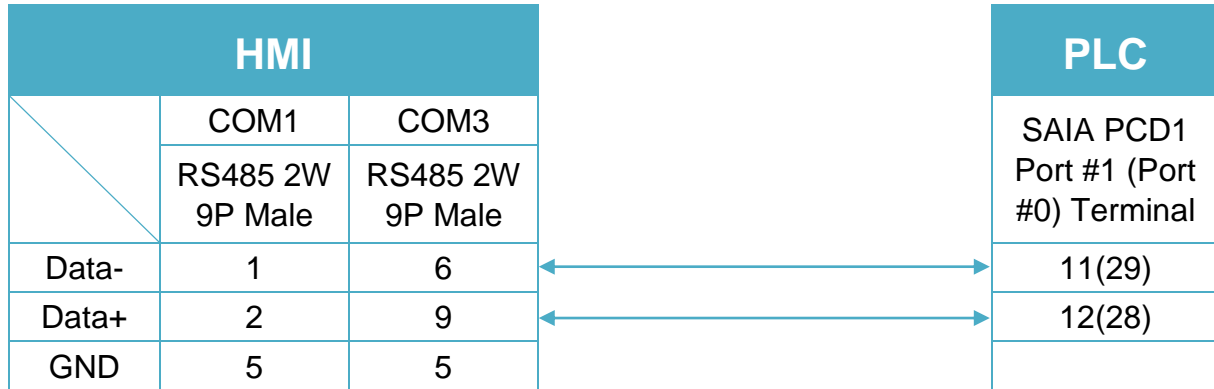


Diagram 5

cMT Series

cMT-SVR

mTV

mTV

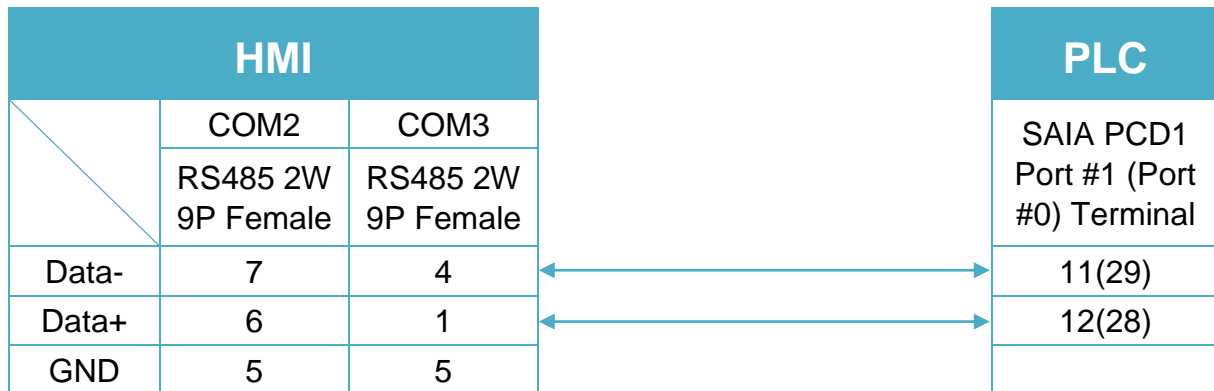


Diagram 6

MT-iE *MT8070iE / MT6070iE / MT8100iE / MT8121iE / MT8150iE*

MT-XE *MT8121XE / MT8150XE*

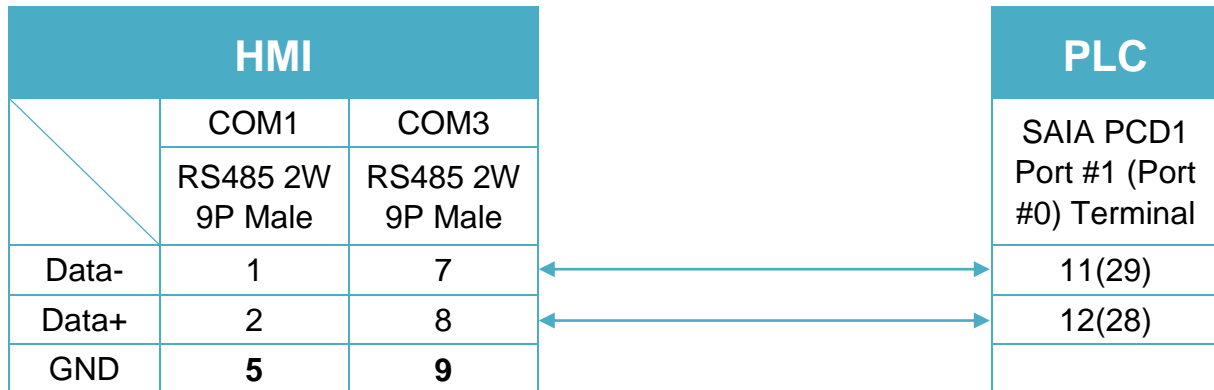


Diagram 7

MT-iE *MT8071iE / MT6071iE / MT8072iE / MT6072iE / MT8073iE /
MT8101iE / MT8102iE / MT8103iE*

MT-XE *MT8090XE / MT8092XE*

MT-iP *MT6103iP*

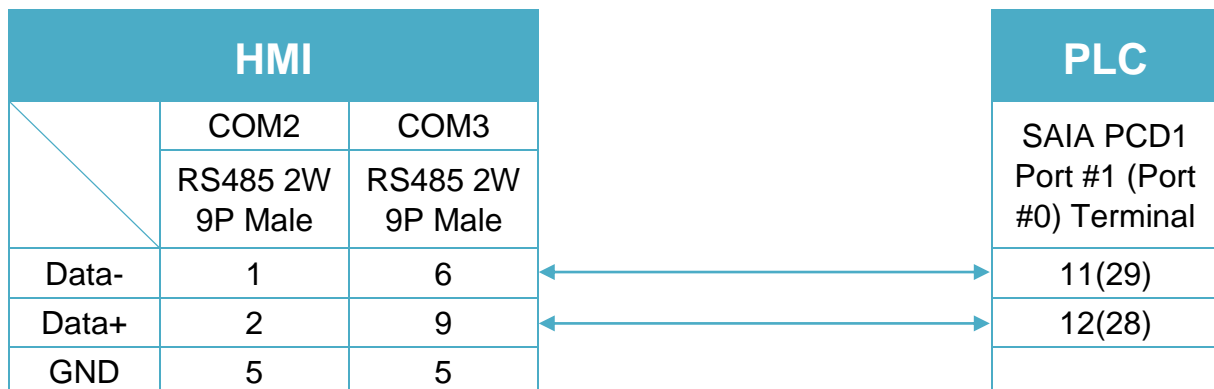


Diagram 8

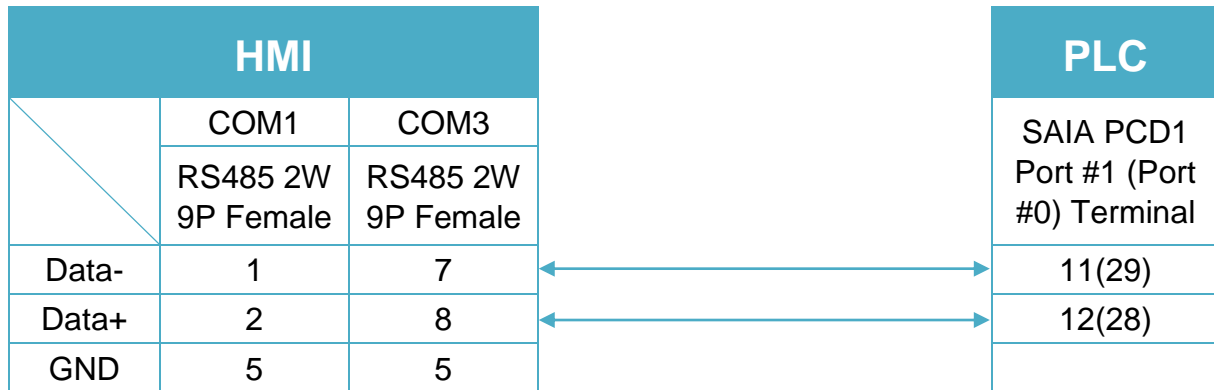
MT-iE *MT8050iE*
MT-iP *MT6051iP*


Diagram 9

MT-iP *MT6071iP / MT8071iP*
