

Advantech SE Technical Share Document

Date	2019 / 09 / 20			
Category	■ FAQ □ SOP	Related Produ	ct	
	□ Driver Tech Note			
Abstract	How to test PCM-26D1DB-MAE by CODESYS and Siemens CM-1242-5?			
Keyword	CODESYS			
Related OS				
Revision History				
Date	Version	Author	Reviewer	Description
2019/19/20	V1.0	Owen.Chang	Nick.Liu	
2020/12/16	V1.1	Tenjin.Lin	Owen.Chang	

■ Problem Description & Architecture:

This SOP shows How to test PCM-26D1DB-MAE by CODESYS and Siemens CM-1242-5.

■ Brief Solution - Step by Step:

1. Device Topology

PCM-26D1DB-MAE: Profibus Slave

S7-1200 (CPU 1212C DC/DC/RLY) + CM 1242-5: Profibus Slave

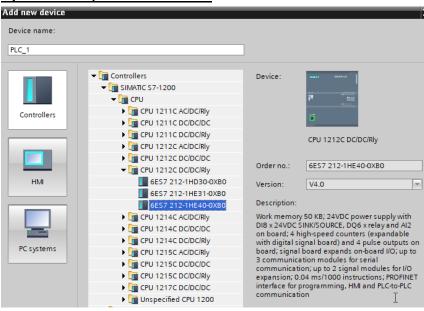


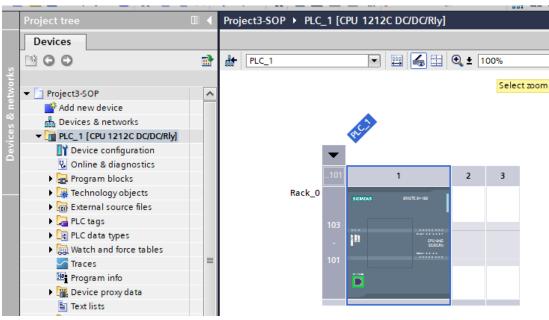


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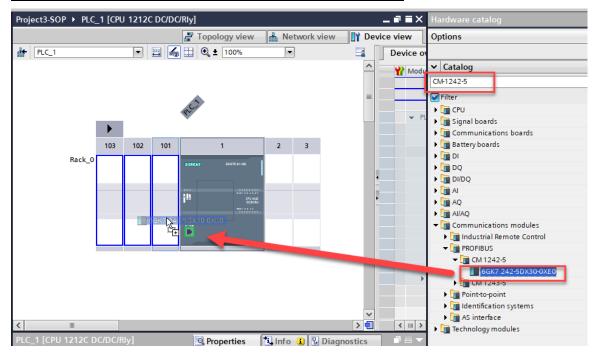
2. Open TIA V13, Select the device



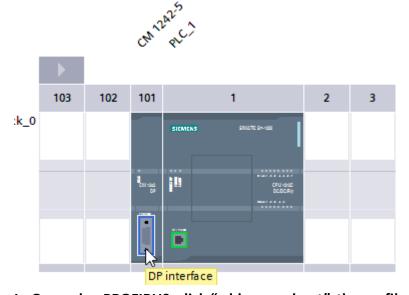




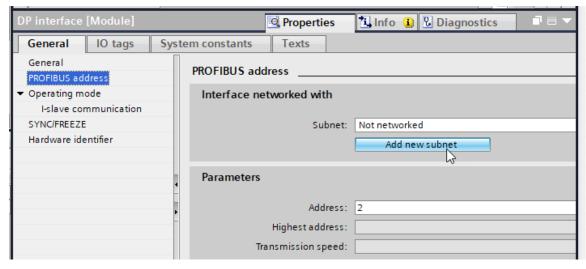
3. Search CM-1242-5 and drop the device to the right position



4. Click DP interface



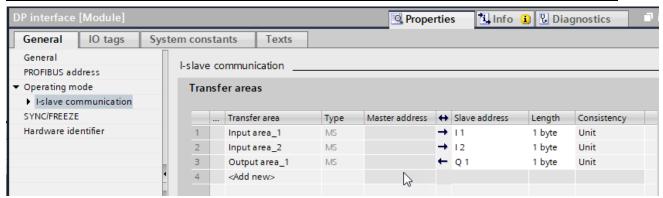
5. In General -> PROFIBUS, click "add new subnet", the profibus address is 2 as setting.



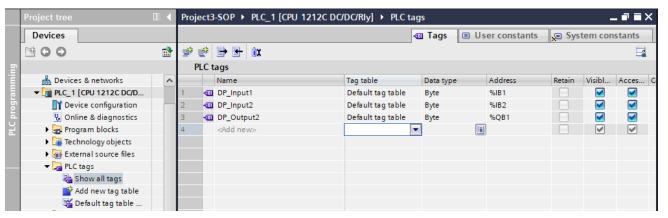


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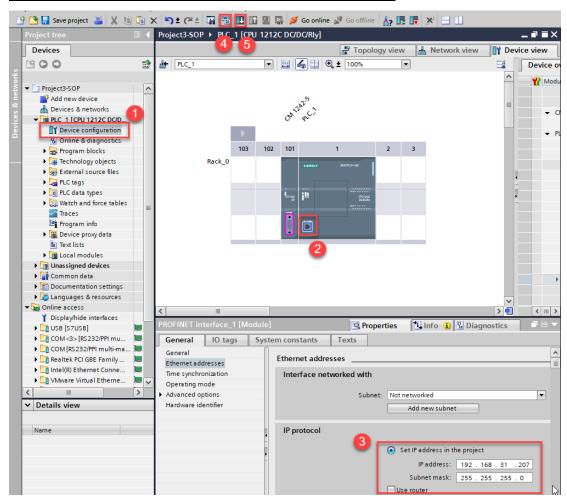
6. In General -> I-slave communication, add two 1 byte input areas and one 1 byte output area



7. Add those addresses with tags to monitoring purpose.

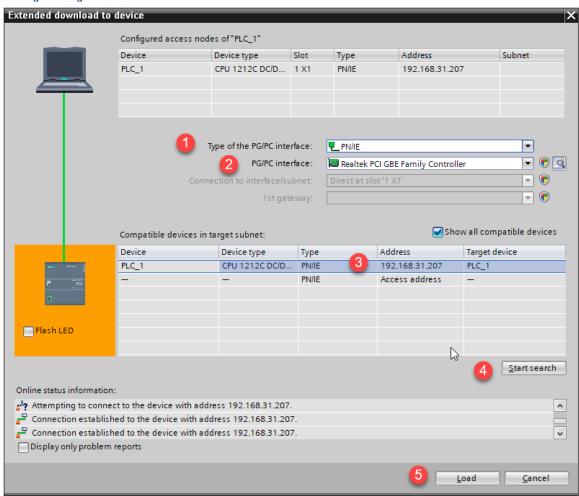


8. Connect to your siemens device and download the project



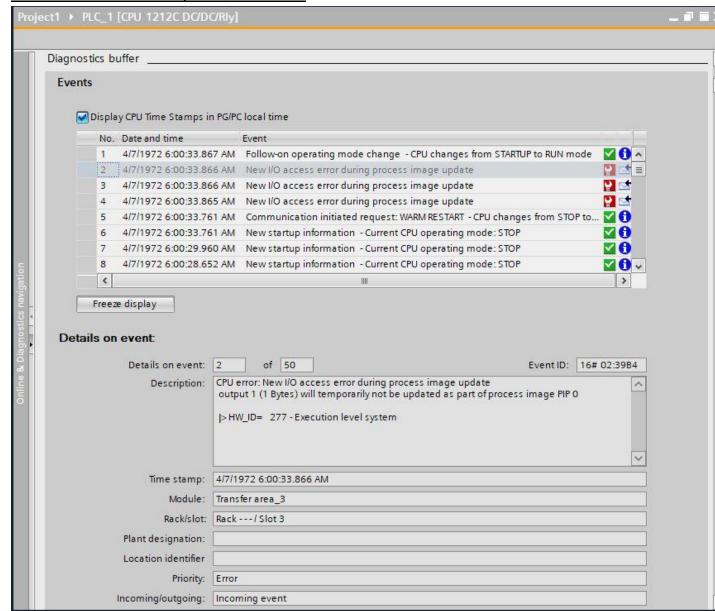


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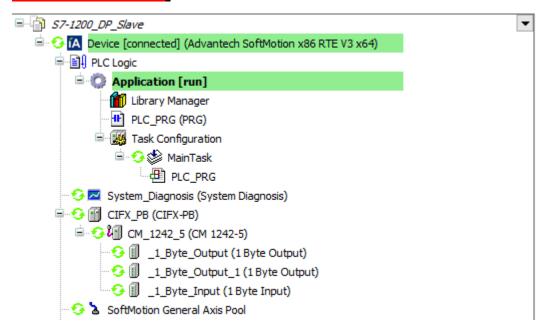


9. Go online to see this error, unknown reason.





10. Please add the following component in CODESYS. (two 1 byte outputs and one 1 byte input corresponding to Step6)(Need to follow the order in TIA project EX:input1->input2->output1 CODESYS need to same)



- Pin Definition (in case of serial connection):
- **■** Reference: