

Advantech AE Technical Share Document

Date	2016/12/01	SR#	1-2734514707
Category	■FAQ □SOP	Related OS	N/A
Abstract	CODESYS,How to switch language between IL, FBD, and LD		
Keyword	IL, FBD, LD		
Related Product	APAX-5580, ADAM-5560		

■ Problem Description:

With its IEC61131-3 publication, the organization identifies five programming languages and their common abbreviations as **Ladder Diagram (LD)**, **Instruction List (IL)**, **FunctionBlock Diagram(FBD)**, **Structured Text (ST)** and **Sequential Function Chart (SFC)**.

In CODESYS, actually we support all of these languages defined by IEC61131-3, what's more, we provide a user-friendly IDE which allows user switch between LD, IL and FBD freely.

In this document, we will explain the detail procedures of how to switch between these languages.

■ Answer:

As shown in *Figure 1*, here is a POU which is designed in the LD language.

The user could switch this program into IL or FBD format freely in CODESYS IDE.



Figure 1

Click **FBD/LD/IL** in the toolbar and then select View → View as to switch language between IL, FBD, and LD, or you could use hot key Ctrl+1, Ctrl+2 and Ctrl+3 to switch between these different languages.

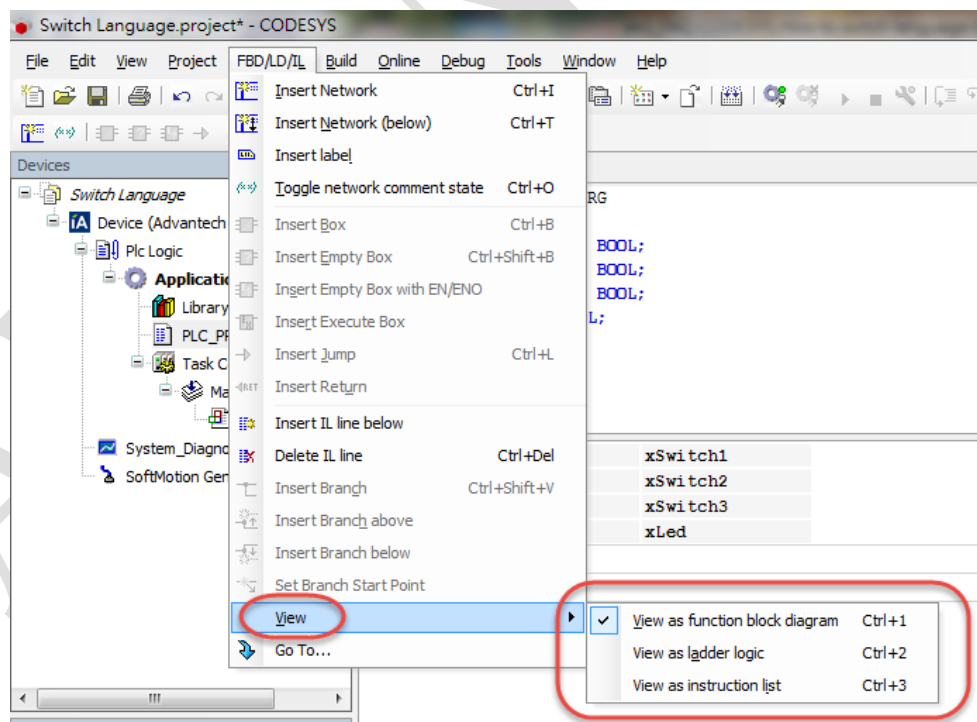


Figure 2

As shown in *Figure 3* and *Figure 4*, original LD project have been transfer to the FBD and IL format.

User could take advantage from this function to save the time for develop logic with different IEC61131-3 languages.

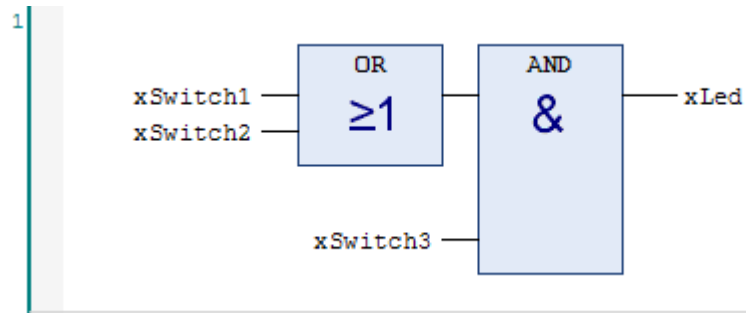


Figure 3

1	LD	xSwitch1
	OR	xSwitch2
	AND	xSwitch3
	ST	xLed
2		
3		

Figure 4