

Advantech SE Technical Share Document

Date	2019 / 12 / 04					
Category	□ FAQ ■SOP	Related Produ	ICT CODESYS			
	Driver Tech Note					
Abstract	How to use CODESYS softmotion simulator?					
Keyword	Softmotion, Virtual Axis					
Related OS	N/A					
Revision History						
Date	Version	Author	Reviewer	Description		
2019/12/04	V1.0	Owen.Chang	Nick.Liu			

Problem Description & Architecture:

In some situation, the customer could develop the program before getting the real hardware device. The customer could leverage the simulation function of CODESYS which is called "CODESYS SoftMotion Win" which is installed with your IDE.

Please execute the runtime manually by clicking Start->All Program->3S CODESYS->CODESYS Control Win V3->CODESYS SoftMotion Win V3".

Brief Solution - Step by Step:

1. Choose "CODESYS" Softmotion Win V3



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2. Open Softmotion Win V3 simulator



3. Try to connect to Win V3



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前 Add Device

Name: SM_Drive_Virtual							
Action:							
Append device Insert device Plug device Update device							
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String for a fulltext search	Vendor: <all vendors=""></all>		~				
Name	Vendor	Version	Description				
🖃 🛷 SoftMotion drives							
🖶 🔗 Free Encoders							
🖶 朦 position controlled drives							
🖮 🔗 virtual drives							
SM_Drive_Virtual	3S - Smart Software Solutions GmbH	4.0.0.0	SoftMotion virtual driv				
	Gr .						

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5. Then virtual drive could be the input of the motion function block.



Reference:

https://help.codesys.com/webapp/ sm f examples;product=codesys softmotion