

Advantech SE Technical Share Document

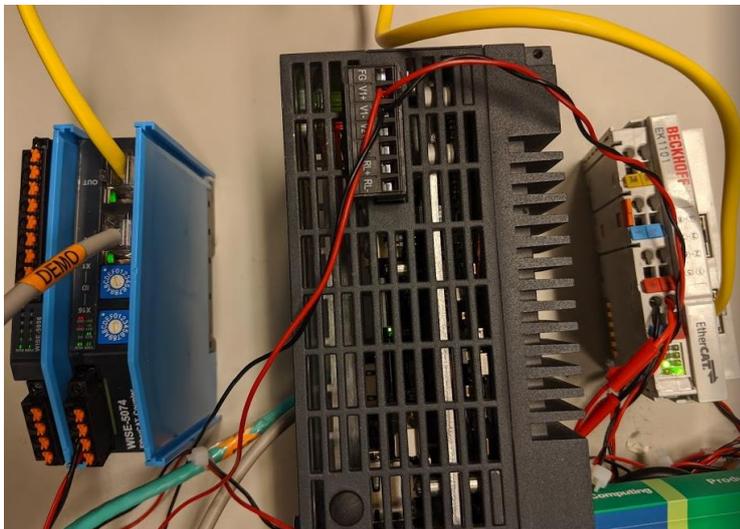
Date	2019 /11 /21	Related Product	CODESYS	
Category	<input type="checkbox"/> FAQ <input checked="" type="checkbox"/> SOP <input type="checkbox"/> Driver Tech Note			
Abstract	How to connect WISE5074 by ID switch on CODESYS			
Keyword	EtherCAT, Modbus server, disconnection			
Related OS	N/A			
Revision History				
Date	Version	Author	Reviewer	Description
2019/11/21	V1.0	Owen.Chang	Nick.Liu	

■ **Problem Description & Architecture:**

Sometimes we need to locate devices by ID switch in EtherCAT network which could help users composed their programming logic easily on their project. Thus, this SOP shows you how to connect it by CODESYS.

■ **Brief Solution - Step by Step:**

1. Please know your devices' order in the EtherCAT topology and then scan all of devices.
In the following picture, WISE-5580 connects to WISE-5074 and then connects to EK1101.

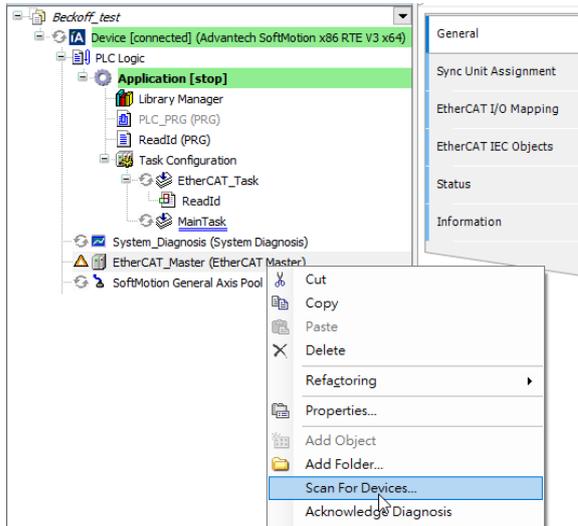


WISE-5580 → WISE-5074 → EK1101

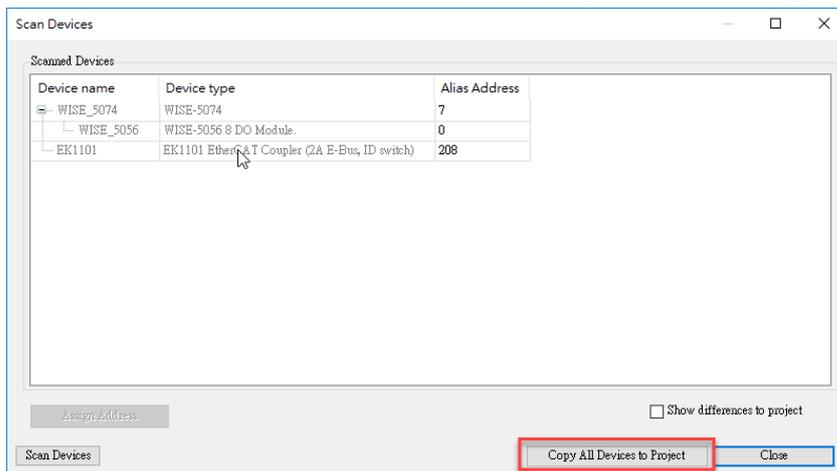
ID Switch of WISE-5074 and ID is 7.



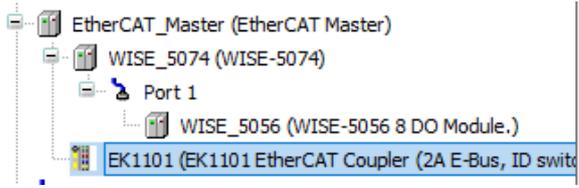
a. "Scan for device" in online mode



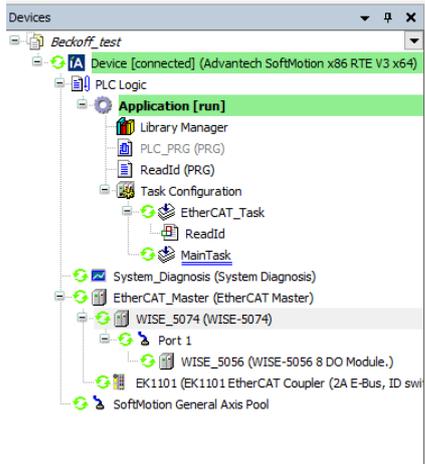
b. CODESYS will list all slaves by order. Copy to project and then logout RTE



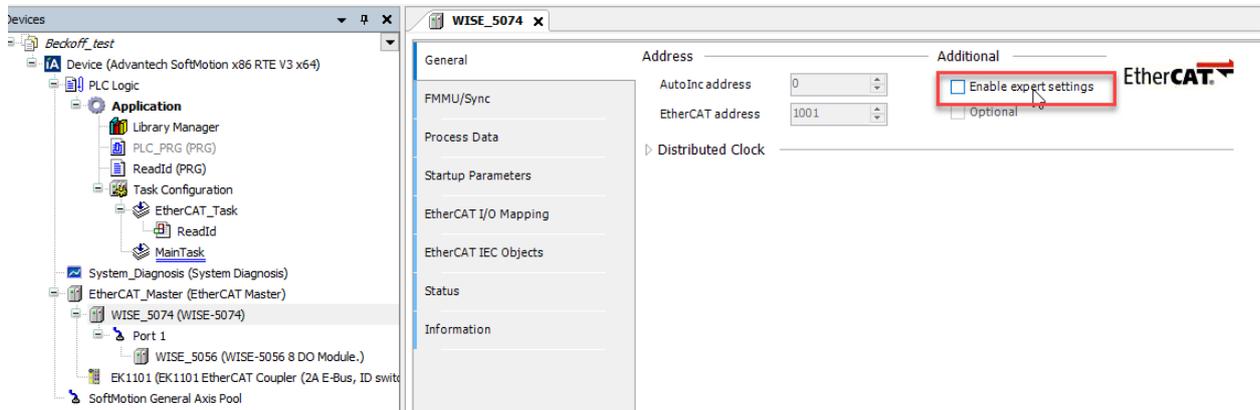
c. All devices are added to project by order.



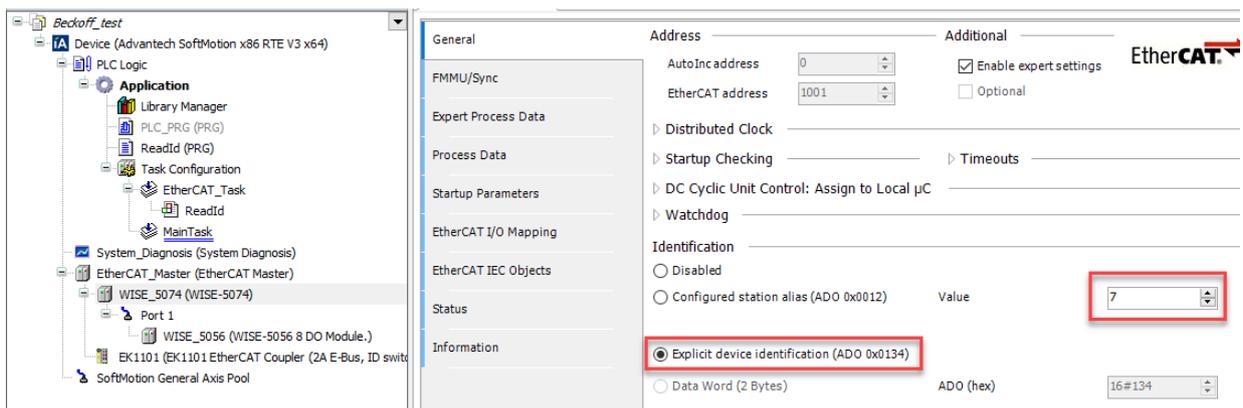
d. Login again to make sure that all devices could be connected with no identification. Green sign means that it is connected.



2. Log out again, check “Enable expert settings” at the WISE-5074page.



3. Choose “Explicit device identification” and fill ID into configured station alias. In this sample, ID is 7.



4. Then login again, and you will see that CODESYS could connect to WISE-5074 by identification.

