

CX5120 Replacement

Replacement of a CX5120 on a customers machine.

 Difficulty **Hard**

 Duration **30 minute(s)**

Contents

Introduction

Step 1 - CX5120 Setup

Step 2 - Fix replacement into machine

Step 3 - Add Twincat Routes

Step 4 - Open the current TwinCat project.

Step 5 - Check the route.

Step 6 - Check the IOs match. (do not add any unexpected devices like COM ports)

Step 7 - Push the project to the BE.

Step 8 - Put the ADS route into the params.saw (2 places)

Step 9 - Start Multi and check that everything works.

Step 10 - TWINSAFE

Comments

Introduction

Replacement of Beckhoff CX5120

Skill Level: Experience with Twincat & Visual Studio

 ...Don't Switch CF cards around. Keep them in the CX5120's they came with.

Step 1 - CX5120 Setup

Ensure replacement CX5120 is setup using

https://stuga.dokit.app/wiki/TB0451_CX5120_Beckhoff_PC_Setup

before sending to site

Step 2 - Fix replacement into machine

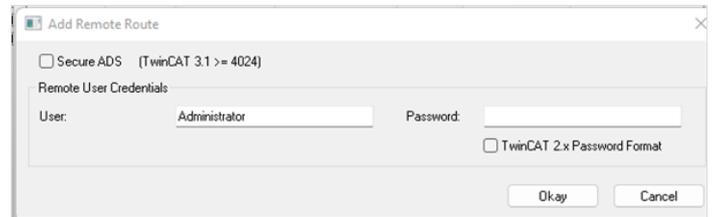
This should be a one to one replacement.

 ...Don't Switch CF cards around.

Step 3 - Add Twincat Routes

On the front end remove the old route and add a new route to the back end.

When adding the route ensure the Secure ADS is not ticked



Step 4 - Open the current TwinCat project.

Step 5 - Check the route.

Step 6 - Check the IOs match. (do not add any unexpected devices like COM ports)

Step 7 - Push the project to the BE.

Step 8 - Put the ADS route into the params.saw (2 places)

Step 9 - Start Multi and check that everything works.

Step 10 - TWINSAFE

If the system has TWINSAFE and you get ADS routing errors:

Check the rout on the ELxxxxx if that is good, down load the Twinsafe back into the project. If you are unsure how to do this call Beckhoff support.
