

## ***How-To-Do***

# **Hardware Configuration of the CC03 via SIMATIC Manager from Siemens**

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# 1 General

## 1.1 Information

This 'How-To-Do' describes how you can perform the hardware configuration of the CC03 in the SIMATIC Manager.

You can find a detailed description of the CC03 in the manual under the link [http://www.vipa.com/uploads/tx\\_sbdownloader/HB116e\\_cc03\\_11-41.pdf](http://www.vipa.com/uploads/tx_sbdownloader/HB116e_cc03_11-41.pdf).

The configuration via the TIA Portal is not possible, because the CPU types, which are required for the configuration, are not supported there.

## 1.2 Reference

In this 'How-To-Do' the principal procedure is described by means of examples. The required GSD file can be downloaded from our homepage under <http://www.vipa.com/de/service-support/downloads/>

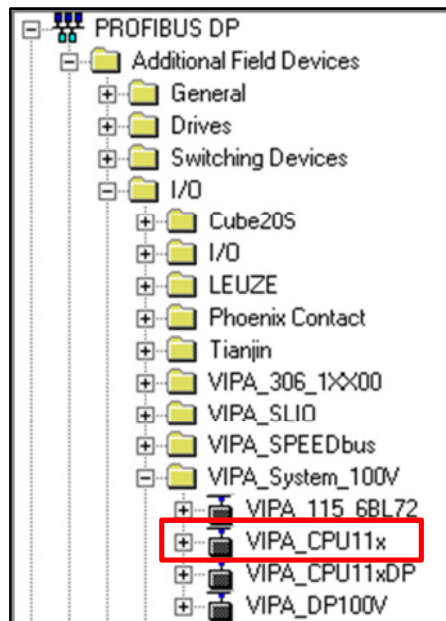
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## 2 Step by Step Procedure of the Configuration

1. Start the **SIMATIC Manager** from Siemens and open a new project.
2. Insert a new 'SIMATIC 300 - Station'.
3. Open the hardware configurator by double-click on *Hardware*.
4. Open the hardware catalog in the hardware configurator.
5. Then open on the right the folder *SIMATIC 300* → *Rack-300* and insert the rack into the hardware configurator.
6. Afterwards pull the CPU 315-2DP (6ES7 315-2AF03-0AB0 V1.2) into the inserted rack on slot 2. Now a dialog opens, in which you can click on <New> to create a new DP line.
7. Then the next dialog opens, which you must confirm twice with <OK>. Now you should see the CPU315-2DP with appended DP rail.
8. For the following steps the **GSD file VIPA\_11X.GSD** must be installed in the hardware catalog. You can find it under:

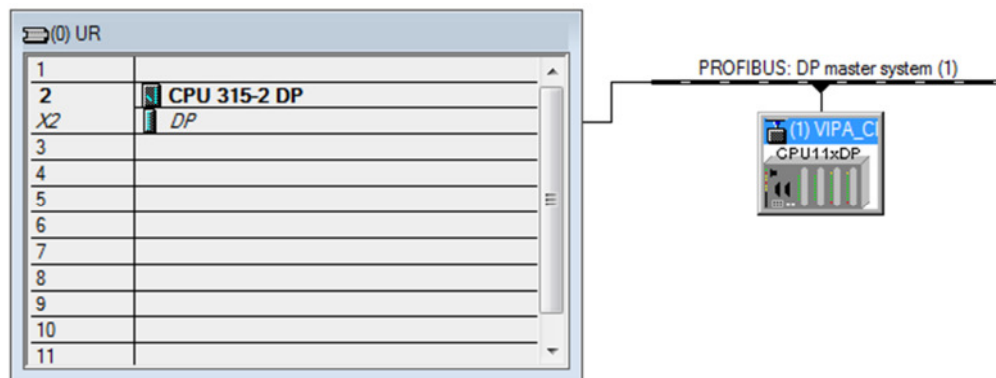
<http://www.vipa.com/de/service-support/downloads/>

9. In the hardware catalog on the right you open the folder *PROFIBUS-DP* → *Additional Field Devices* → *I/O* → *VIPA\_System\_100V* (see picture below).



10. Move the object *VIPA\_CPU11x* via mouse to the Profibus rail..
11. Select the 'Address 1' in the dialog 'Properties – PROFIBUS-Interface' and click on <OK>.

12. Now a virtual DP slave is appended to the profibus line (see picture below).



13. Navigate again into the catalog and open the object „VIPA\_CPU11x“ under the folder ,PROFIBUS-DP → Additional Field Devices → I/O → VIPA\_System\_100V‘. Scroll down and find there e.g. 603-1CC20.
14. Select ,Slot 0‘ in the left lower area of the window to insert modules.
15. Search for the correct CPU type in the hardware catalog, e.g. 603-1CC20, and double-click on it. The module is inserted on position 0 (see picture below).

The screenshot shows the hardware configuration window with the rack of modules. Slot 0 is highlighted. The module is inserted on position 0. The rack is labeled (0) UR.

Slot	DP ID	Order Number / Designation	I Address	Q Address	Comment
0	24DX	603-1CC20 CC03	0...2	0...2	
1					
2					
3					
4					

16. Now you can insert up to 4 expansion modules, which are used in your local system 100V resp. on your CC03 installation.
17. If you have finished, switch to the menu ,Station > Save and Compile‘, to compile and save the configuration.
18. Connect the PLC to your PC via MPI or via VIPA Green-Cable.
19. Via the menu item ,PLC > Download‘ you can transfer your hardware configuration into your PLC.
20. Now you can start your PLC by the Run/Stop switch on the back side. If all configured modules are connected, the PLC switches to RUN.
21. Close the hardware configurator.

### 3 Revision History

#### 3.1 Changes:

DATUM	ÄNDERUNGEN	BEARBEITER
22.11.2005	Erstellung Dokument	K. Loy
02.06.2014	Überarbeitung Layout und Textanpassungen	N. Schlimm
20.03.2014	Übersetzung Englisch	N. Schlimm
02.06.2014	Textanpassung und Screenshots (Englisch)	M. Dörnhöfer