

## How to do

### Hardware configuration for CC03 with Simatic Manager from Siemens

Example: [ftp://ftp.vipa.de/support/demo\\_files/CC03\\_603-1CC20\\_hwconfig\\_example.zip](ftp://ftp.vipa.de/support/demo_files/CC03_603-1CC20_hwconfig_example.zip)

1. Start the Simatic Manager from Siemens, open a new project.
2. Insert a 300 station
3. Open the Hardware Configurator
4. In the HW Configurator, open the catalog,
5. insert a 300 Rack,
6. insert the CPU 315-2DP (6ES7 315-2AF03-0AB0).  
Now a dialog opens where you click on *New* for a new DP line
7. The next dialog opens where you click on *OK* and again on *OK*.  
Now you should see a CPU315-2DP with attached DP line.
8. For the next steps, the GSD file VIPA\_11X.GSD must be installed in the hardware catalog.  
You can find it at: [ftp://ftp.vipa.de/support/profibus\\_gsd\\_files/Cx000023\\_V165.zip](ftp://ftp.vipa.de/support/profibus_gsd_files/Cx000023_V165.zip)
9. In the HW catalog, open the *PROFIBUS-DP note*, then open *I/O, VIPA* (see picture below).
10. Move the object VIPA\_CPU11x with the mouse close to the profibus line.
11. In the dialog *Properties – PROFIBUS interface* select the *DP address 1* and click on *OK*.
12. Now a virtual DP slave is attached to the Profibus (see picture below)
13. Go again in the catalog and open the object VIPA\_CPU11x.  
scroll down, there you will find e.g. 603-1CC20
14. In the grid on the left bottom, select the *Slot 0* for insertion of modules.
15. In the HW catalog search the correct CPU type, e.g. 603-1CC20, double click on it. Now you can see it in slot 0 (see picture below)
16. Now you can insert up to 4 modules, that are used in your local System 100V station.
17. When finished, go to the menu *Station > Save and Compile* for the whole configuration to be compiled and saved.
18. Connect the MPI or the VIPA Green Cable to the PLC and your PC.
19. With the menu *PLC > Download...*, you transfer the HW configuration to your PLC.
20. Now start the PLC with the Run/Stop switch at the frontside. If the configured modules are attached to the PLC, then it should go into the RUN state.
21. Close the HW configurator.

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HW Konfig - [SIMATIC 300(1) (Konfiguration) -- CC03\_Demo]

Station Edit Insert PLC View Options Window Help

Find:

Profile: Standard

VIPA\_System\_100V

- VIPA\_CPU11x
  - Universalmodul
  - 112-4BH00 CPU 112 DIO16
  - 114-6BJ00 CPU 114 DIO24
  - 114-6BJ01 CPU 114 DIO24
  - 114-6BJ02 CPU 114 DIO24
  - 114-6BJ50 CPU 114 DIO24
  - 221-1BF30 DI8xDC24V
  - 221-1BF50 DI8xDC24V m-re.
  - 221-1BH00 DI16xDC24V
  - 240-1BA00 CP240-2 (STX/E
  - 240-1BA10 CP240-2 (MODB
  - 240-1CA00 CP240-2 (3964/F
  - 240-1CA00 CP240-2 (ASCII)
  - 240-1CA00 CP240-2 (STX/E
  - 240-1CA10 CP240-2 (MODB
  - 234-1BD60 AI4/AO2\*12Bit
  - 250-1BA00 FM250 1MHz-Za
  - 250-1BS00 FM250-SSI
  - 251-1BA00 FM251
  - 253-1BA00 FM253
  - 254-1BA00 FM254
  - 603-1CC20 CC03
  - 603-2CC20 CC03

(1) VIPA\_CPU11x

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

Commander Compact, 16 KB work memory, MPI connection, single-tier configuration up to 4 modules

Press F1 to get Help.

Example hardware configuration