

Drive Technology, Engineering Software, STARTER

How to establish a connection to SINAMICS CU310/CU320 via the serial interface using STARTER ?

You can exchange data both via PROFIBUS and via the serial interface.
A serial interface (COM) must be provided on the PC used to establish the connection.

Settings

1. Select the **Serial cable (PPI)** interface in the STARTER via **Project > Set PC/PG Interface**.
If this is not yet included in the select list, add it via **Select**.

Note

Before you can use this interface for the first time, manually start installation of the interface drivers. The STARTER setup does not update already existing drivers !

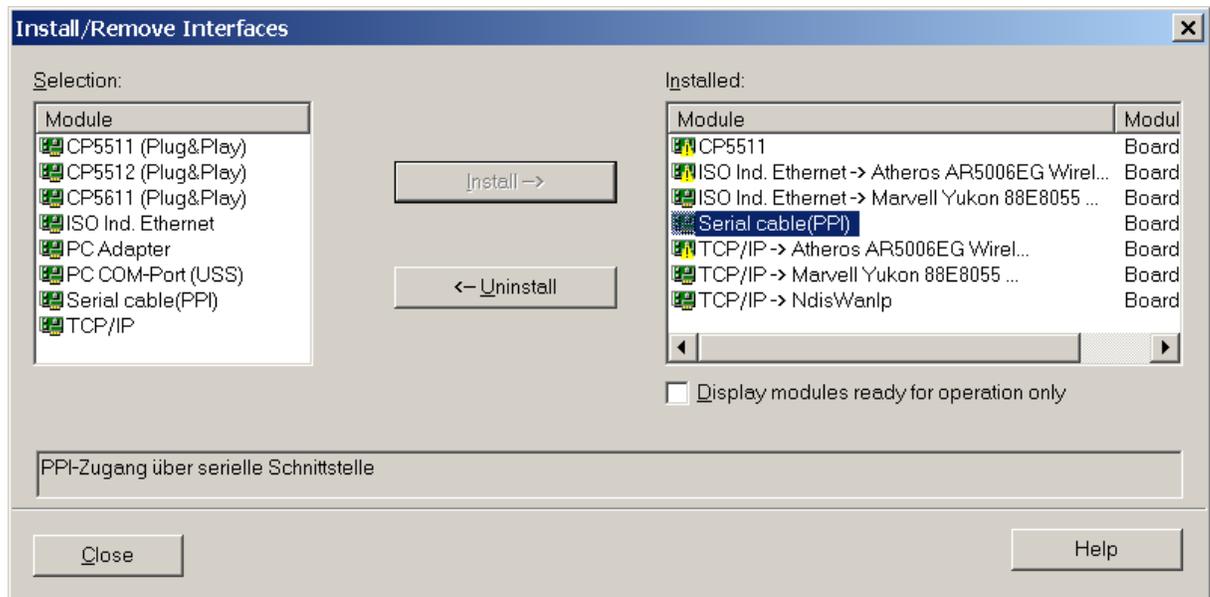
The STARTER may not be active during driver installation.

The current driver can be found in the following path of the STARTER CD:
\\installation\starter\starter\Disk1\SerialCable_PPI\. Start the Setup.exe file.

It may also be stored in the SerialCable_PPI.zip file under the following link:

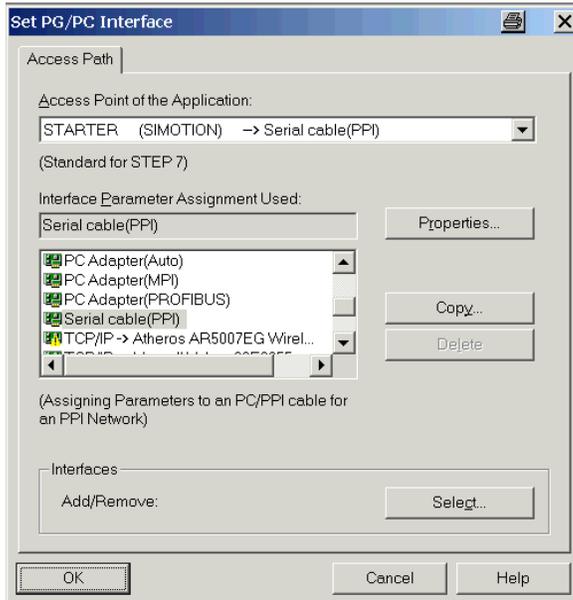
<http://support.automation.siemens.com/WW/view/de/23963280>.

Then start the STARTER program and select the "Select" button in "Set PC/PG-Interface" under Add/Remove Interfaces. The "Install/deinstall interfaces" screen is displayed. First, you have to deinstall all existing drivers "Serial cable(PPI)" in the selection list on the right (installed). You can immediately reinstall the driver from the selection list (selection) on the left.



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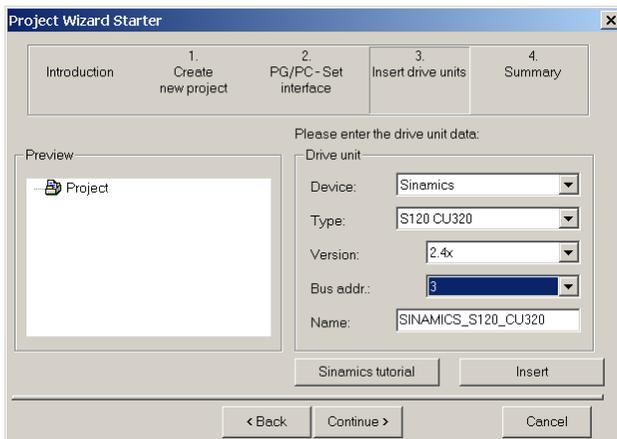
2. Make the following settings. Please note that the station address must not be set to 3. The highest node address must be set to 15.



NOTE

Stable connections can only be established at a transmission rate of 19.2kbit/s (default value). Higher transmission rates may lead to connection problems.

3. The address set on the PROFIBUS address switch is not relevant for the PPI connection.
4. When creating the drive unit, set the bus address in the STARTER project to "3".



5. The connecting cable between the CU and the PC must be connected to x140 with CU320 and to X22 with CU310. A zero modem cable must also be connected.

Zero modem cable:

Sub-D		Sub-D
Socket		Socket
9-pole		9-pole
Pin 2	---	Pin 3
Pin 3	---	Pin 2
Pin 5	---	Pin 5

This interface may not be changed as diagnostic interface. Check whether p9930[1] = 0 and p2039 = 0.