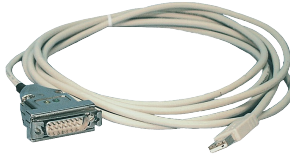


Handling-Short Instruction for PG-USB Cable 9359-1 V1.5



The PG-USB-Kabel is an interface cable for the 15pin PG-Port X4/X5 of a S5 plc. The cable should be connected to the USB-Port (type A-connector). This cable will be active against the plc while the power will be taken from the usb-port of the PC. For some special slot cards for the S5 you can get some special adapters with the several pinning of this card.

This cable can be prolonged with the classic prolongation (pin 2+9 and 6+7 itself drilled) up to 100m 1to1 pin.

In the Case of the Cable are 2 LED's embedded

GREEN lights when data is transferred to the PLC
YELLOW lights when data is transferred from PLC to PC

Install the cable

First connect the PG-USB cable into a free USB-Port of your computer. Please download from the below listed web-side the USB-driver for the PG-USB-cable.

Extract the file on your PC and guide the starting hardware-installation-wizard to this folder. The software will install the drivers for the PG-USB cable automatically.

After the driver is installed successfully the COM port is displayed in Control Panel → System → Device manager → COM and LPT → Properties (Right mouse click) → Extended.

If you changed the COM-Port-Number, restart the PC to activate this COM-Port. After restart choose in the application the selected COM-Port in the configuration.

Using the original Siemens S5 software in a DOS window

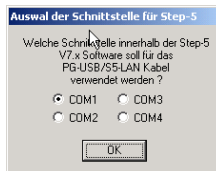
Do you use the original Siemens S5 patch once. You can download this named web-side and install it on that PC. Go on with choosing the language. with „OK“. Press „Install“ and choose installed. The installation routine is now have to select the used COM port. Then „End“ as soon as the installation is



software, then you need to run the S5-"Step5 additional driver" also from the

Select the PG-USB cable and confirm the folder where the S5 software is searching for the S5 software. Next you the S5 patch will be installed. Press completed.

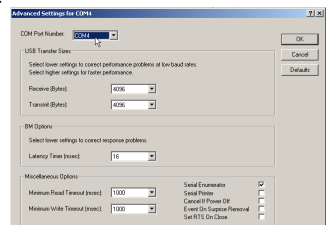
Attention: For the Step5-Original COM4 selected. If necessary change the select "System". In the Tab "Hardware", Device-Manager the virtual COM-Port is and LPT", Right click „USB Serial Port "Properties". In the following dialog the button „Advanced“, in the next dialog you could choose the COM-Port.



application there **must** be one COM1 to COM port. Go to the Control Center, click button „Device manager“. In the listed in the section "Interfaces (COM (COMx)", in the Context Menu choose select the tab „Port Settings“. Click onto

Using S5 Original-Software under Windows 98

A virtual created COM port cannot be used directly from a MSDOS Box (Windows 98). The solution is easy just install the "S5 VCOM for Win98". In the PG-USB menu expand the tree and select the entry "S5 VCOM for Win98". Choose the language and enter the path where the software should be installed. Select the name for the start menu and click next to proceed with the installation. After the End of the Installation the PC must be rebooted. S5 VCOM is installed into the Autostart-Directory



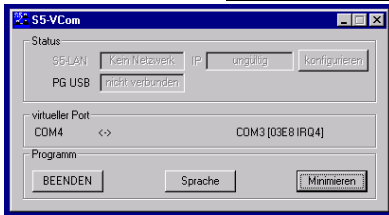
and is started every time the PC boots. If an error occurs while installation or starting of driver, a message is shown. If correctly installed, on the bottom-right corner of the Screen a new tray icon is displayed. The software should be installed. Select the name for the start menu and click next to proceed with the installation. After the End of the Installation the PC must be rebooted. S5 VCOM is installed into the Autostart-Directory and is started every time the PC boots. If an error occurs while installation or starting of driver, a message is shown. If correctly installed, on the bottom-right corner of the Screen a new tray icon is displayed.

This Tray-Icon shows, if a PG-USB-Cable is communication is in progress. (S=from PC to E=from S5 zu PC) If you double-click displayed:



In the section State is for communication

In the section virtual on the left side is the Windows-Software Ports) of the MS-selected in the S5-Software. According which COM - Ports already exists, the next free COM-Port will be used:



connected or not, and if a S5,E=from S5 zu PC) on the Tray-Icon a new Dialog is

displayed which Interface-Cable is used and if a connection exists.

Port the following information is shown COM - Port which is used from and on the right side the COM-Port (I/O-DOS Box. This COM-Port should be

existing COM

- NONE
- COM1
- COM1,COM2
- COM1,COM3
- COM1,COM2,COM3

from S5VCOM used

- COM1 [03F8h,IRQ4]
- COM2 [02F8h,IRQ3]
- COM3 [03E8h,IRQ4]
- COM2 [02F8h,IRQ3]
- COM4 [02E8h,IRQ3]

In the section Program you could exit the application, change the language of the application or minimize to the tray-icon.

PG 95 / PG 2000

Select under Options → Interface the corresponding virtual COM-Port.

S5 for Windows

In Files → Poperties → Interface select the Protocol „S5“ and the virtual COM-Port

Accessories

- AG-150-Adapter for PG-USB-Kabel
- CP525K-Adapter for PG-USB-Kabel
- Sinum-Adapter for PG-USB-Kabel
- S5-LAN Module (Programming the S5 over Network)

- CP525-Adapter for PG-USB-Kabel
- WF470-Adapter for PG-USB-Kabel
- PG-USB Lengthen set

Further interface-cable for S5

PG-UNI-Kabel

- Couples the PC (9pol. COM-interface) with the 15 pole X4/X5 interface port of the plc
- Galvanically separably to 1kV with PG ISO adapter
- Prolongable up to 300 meters
- Complete electronics in the plug housing
- Supply from the PLC over the current sources of the PG-port
- Functioned also at some CP's, IP's and Sinumerik controls



PG-UNI-II Kabel

- ESD firm transducer component up to 15kV
- 9pin and 15pin plug housings are made of solid metal
- For controll of data transmission, there are two LED's integrated (Rx/D and Tx/D).
- Couples the PC (9pol. COM-interface) with the 15 pole X4/X5 interface port of the plc
- Galvanically separably to 1kV with PG ISO adapter
- Prolongable up to 300 meters
- Complete electronics in the plug housing
- Supply from the PLC over the current sources
- Functioned also at some CP's, IP's and Sinumerik controls



PG-COM-Kabel

- Couples the PC (9pol. COM-interface) with the 15 pole X4/X5 interface port of the plc
- Complete electronics in the plug housing
- Supply from the PLC over the 5V of the PG-port



PG-ISO-SET

- Galvanically separable from pc to the plc up to 1kV
- contact-protected housing, it is plastic housing
- The set contains PG-UNI-Kabel (3m) Art.Nr.9359-3 and the PG-ISO-Adapter Art.Nr.9359-8
- Supply of the module from the plc Voltage 5V and/or 24V

SC-09-Kabel

- Couples the PC (9pol. COM-interface) with the RS485 interface port of the plc
- PLC coupling with 25pin D-Sub or with Mini-Din-plug (special adapter)
- Supply from the PLC over the 5V of the PG-port
- Complete electronics in the plug housing



PG-ISO-Adapter for PG-UNI/PG-UNI-II

- Galvanically separable from pc above the PG-UNI-Kabel to the plc up to 1kV
- contact-protected housing, it is plastic housing
- Generates a new Ground and new Current Sources for the communication
- Supply of the module from the plc Voltage 5V and/or 24V



S5-LAN+-Modul

- 3 minutes and PG interface of the S5-PLC-control is network-compatible
- AS511 via virtual COM port
- S7-TCPIP RFC1006 compatible (S7 panel to S5 PLC)
- Supply of the module from the PLC voltage 24V
- Active module, integrated power sources for TTY communication



S5-BRIDGE (LAN and WIFI communication parallel)

- 10 minutes and PG interface of the S5 PLC control is network-compatible (cable and/or WIFI)
- AS511 via virtual COM port (cable and/or WIFI)
- S7-TCPIP RFC1006 compatible (S7 panel on S5 PLC, cable and/or WIFI)
- Supply of the module from the PLC voltage 24V
- Active module, integrated power sources for TTY communication



Netz-Adapter for PG-UNI/PG-UNI-II

- Generates new Current Sources for the communication
- Operation area: damaged Current Sources, not existing Current Sources, sanded Current Sources, passive Current Sources
- Supply of the module with 24V external



Additional adapters for PG-UNI/PG-UNI-II

general : Small Adapter, only 10cm long
Plug mechanics fitting to the plc



CP525-Adapter

- Connection to the **programming port** of the CP525

CP525-K-Adapter

- Connection to the **communication port** of the CP525
- This adapter can be used for following devices, too: CP524 and SAS523/525

AG150-Adapter

- **Only** use with the Netzadapter, because plc AG150 has an passive interface port!

WF470-Adapter

- **Only** used with the Netzadapter, because WF470 has an passive interface port!

SINUM-Adapter

- This adapter can be used for following plc-type: 805, 810, 820, 840, 850, 880

Additional adapters for PG-USB

general : Small Adapter, only 10cm long
Plug mechanics fitting to the plc



CP525-Adapter

- Connection to the **programming port** of the CP525

CP525-K-Adapter

- Connection to the **communication port** of the CP525
- This adapter can be used for following devices, too: CP524 and SAS523/525

AG150-Adapter

WF470-Adapter

SINUM-Adapter

- This adapter can be used for following plc-type: 805, 810, 820, 840, 850, 880

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Menutree Website:

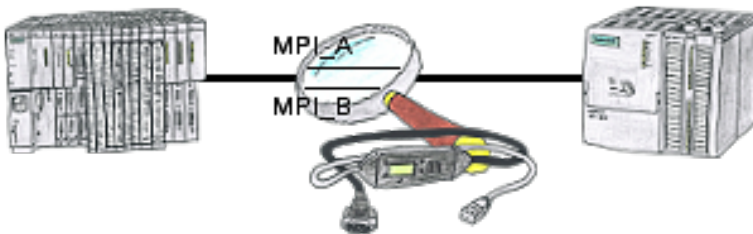
- + Products / docu / downloads
- + Hardware
 - + Programming devices
 - + S5
 - + S5 over USB
 - + PG-USB

QR-Code Website:



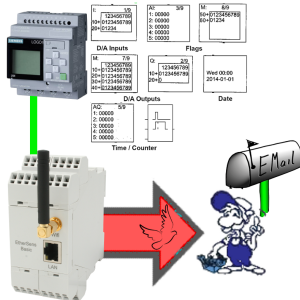
Please make sure to update your drivers before using our products.

Malfunctions on the Bus although everything is (apparently) connected properly?



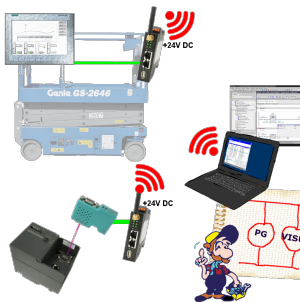
The S7-LAN can also be used for controlling/checking the MPI/Profibus. It will be plugged on the Bus so that you can take a look at the status of the busses via software on PC, for example the numbers of parity errors.

Send Email with LOGO!



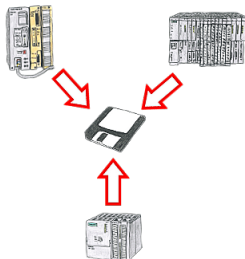
Send of all kinds of eMail-messages controlled by the LOGO!-Control

Link S7-TCP-IP Panel to MPI Profibus over WiFi



Use the latest S7-TCP-IP panels for your MPI / Profibus.
Thanks to WLAN also usable for mobile platforms or cranes.
Connect several nodes at the same time via a network module.
Simultaneous access from different systems possible.

Backup of formulas without knowledge of PLC



You consistently have to back up formulas which are stored in data blocks or back up production protocols, but the employee in charge has no knowledge of PLC-programming respectively handling PC-programs? No problem, install the PG-2000-software with "option DB-backup" on your PC and connect it with the PLC. The employee only has to click on a symbol on the desktop of the PC and the data blocks of the parameterised PLC will be stored on the fixed disc. Afterwards the program closes itself and the mentioned employee didn't had to accomplish an intervention on the program.

S5-PLC over WLAN/WIFI

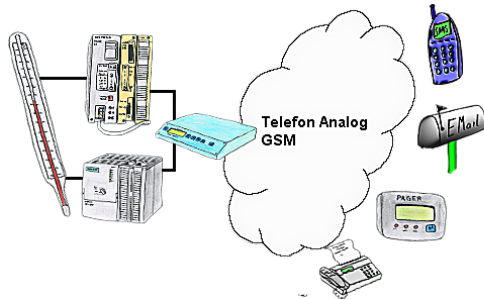


Communication with S5-PLC via WLAN/WIFI, just how and with what?

Data-communication with S5-PLC from PC or other devices via WLAN/WIFI, which interface is required. Questions you don't have to worry about. With "S5 over WLAN/WIFI" you get the right interface-products for your interface of the PLC.

Which one you use then is up to you.

Failure report transmission released by the PLC



Your outstation reports the current value cyclically, or in case of malfunction the status via FAX, to your mobile phone as SMS or to your pager.

Remote-maintenance Pilz-PLC



Remote-maintenance of a Pilz-controller with network-connection via secure VPN-tunnel of the TeleRouter