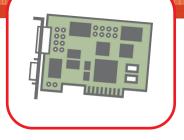
CIF – Communication Interface



PC cards as fieldbus interface

- All PC board formats can be supplied
- Identical 'easy to use' application interface for all leading fieldbusses
- One driver for all fieldbusses and board types
- One configuration software
- Plug and play' kits for SCADA and Soft SPSen of all leading manufacturers

Fieldbus integration for PC-based systems

Whether as Master or Slave, fieldbus systems have been proven themselves excellently in PC-based automation. For more than 10 years, the CIF communication interface cards from the Hilscher Company are used successfully in the most varied areas of application and are now a standard in the market.

PC cards in all formats

With the CIF communication interface, the user will have a unified standard for all the fieldbus systems on different hardware platforms.

We supply our PC communication cards with PC/104 respectively PCI busses in standard, PC/104+, PCI-104, Compact PCI or PMC format respectively as PCMCIA card for all leading fieldbus systems.

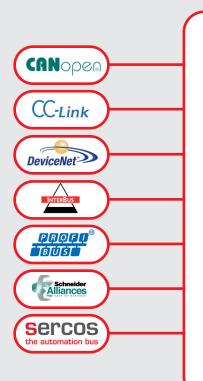


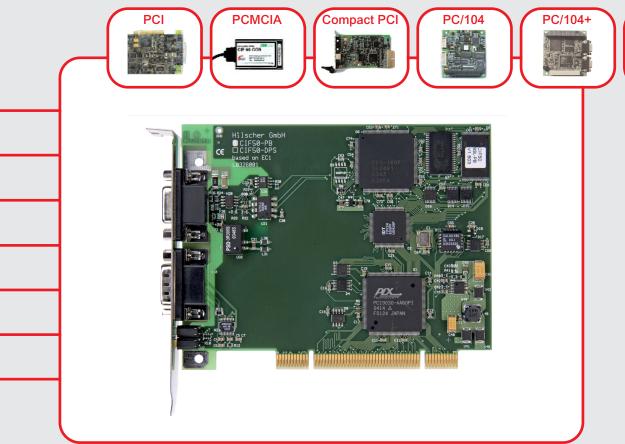
CIF – Communication Interface

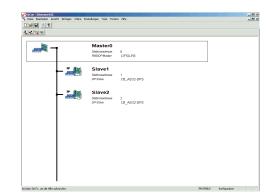
Communication for PC based Automation

Fieldbus systems made easy

With a fieldbus card as a fieldbus Master, one always has the current process image of all configured Slave devices. With a CIF card for fieldbus Slave communication, the Dual port memory of the card serves as a process image which can be accessed from both sides at the same time. In both variants the user program need not concern itself with the actual fieldbus communication as this task is automatically undertaken by the CIF card, thanks to its own communication processor.







One configuration for all fieldbusses

The SyCon system configurator allows the uniform configuration of the communication relationship between fieldbus Slave devices and the Master. The configuration of the communication relationship to the individual Slave devices and the respective fieldbus Master are stored permanently down in the configuration memory of the CIF card.









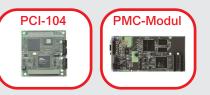


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Drivers

The universal CIF Device Driver and the function library DRV-TKIT present the basis for the execution of the fieldbus integration on the application level independently of the selected hardware platform. An integration once developed can then be used with every available fieldbus system. Drivers for many Soft PLC's are available.



All card formats

Whether Soft programmable control system, CNC control, Industry terminal, decentralized I/O module or intelligent drive, every application based on a PC standard can be equipped with a CIF card for industrial communication.

Diagnostic Interface

Serial RS 232 Interface for configuration and online diagnostic.

LED status displays

The operational condition of the CIF card and the communication activities on the fieldbus interface are displayed.



The CIF OPC-Server is available for every fieldbus standard and all Windows-based operating systems. There are finished drivers available for many visualizing systems and with these the CIF cards can be accessed directly.

CIF – Technical Information

Special Developments

Do you need a special card with a special protocol? We are in a position to meet your special needs. Challenge us ...

Technical Data

Fieldbus PC 126 Nodes CANopen CIF 50 CC-Link CIF 50 510 Byte I/O Data 7168 Byte I/O Data DeviceNet CIF 50 Min. Boot up Min. Boot up COB ID Distribution: COB ID Distribution: InterBus CIF 50 PROFIBUS CIF 50 default/via SDO default/via SDO Emergency Message SERCOS CIE 50-SCM* Emergency Message CIE 50-SCEB passiv* Node/Life Guarding, Heartbeat Node/Life Guarding, Heartbeat SERCOS Fieldbus PCMCI Event Trigger Event Trigger PDO: Async PDO: Cyclic, Acyclic, Async CANopen CIF 60 CIF 60 DeviceNet Remote Request Remote Request PROFIBUS CIF 60 32 Rx-/32 Tx-PDOs SERCOS CIF 60-SCEB passiv* Compact PCI Max. 4 Stations each with Fieldbus 64 Bit I/O Data CANopen **CIF 80** 8 Words I/O Data DeviceNet CIF 80 PROFIBUS CIF 80 Polling Fieldbus PC/104 CANopen CIF 104 63 Slaves CIF 104 510 Byte I/O Data 7168 Byte I/O Data CC-Link Explicit, Polling, Explicit, Polling, Bit-strobe, DeviceNet CIF 104 CIF 104 Bit-strobe, Cyclic, Cyclic, Change of State InterBus PROFIBUS CIF 104 Change of State UCMM via Group 1, 2, 3, CIF 104-SCEB passiv* SERCOS Predefined Connection Set Predefined Connection Set Fieldbus PC/104+ CANopen CIF 104P 20 Words I/O Data DeviceNet CIF 104P PROFIBUS CIF 104P PCP Channel, 2 Words PCI-104 PROFIBUS-DF Fieldb 125 Slaves CANopen CIF 104C 368 Byte I/O Data 7168 Byte I/O Data DeviceNet CIF 104C DPV1 Extensions DPV1 Extensions PROFIBUS CIF 104C Class 1 and 2 Services Class 1 and 2 Services Fieldbus PCI Mez e Can MPI functions CANopen PMC PMC DeviceNet PROFIBUS SERCON 816 Max. 8 Drives PMC

Product Overview

RS232C, Non isolated

A diagnostic interface ist not available on the following devices: CIF 60, PMC, CIF xx-IBS and CIF xx-SCEB.

perating voltages / operating remperature	
CIF 50	+3,3 V ±5 % / 350-1410 mA
	+5 V ±5 % / 250-580 mA
CIF 50-SCM	+5 V ±5 % / 400 mA
CIF 60	+5 V ±5 % / 650 mA
CIF 80	+3,3 V ±5 % / 500-560 mA
	+5 V ±5 % / 300-500 mA
CIF 104	+5 V ±5% / 300-650 mA
CIF 104P, CIF 104C, PMC	+3,3 V ±5 % / 400 mA
	+5 V ±5 % / 50-300 mA
CIF xx-SCEB	+5 V ±5 % / 250 mA
0 55 °C	

* CIF 50-SCM, CIF 50-SCEB, CIF 60-SCEB, CIF 104-SCEB are not supported by the CIF Device Driver. These devices need an own driver.

Headquarters

Germany Hilscher Gesellschaft für Systemautomation mbH Rheinstrasse 15 65795 Hattersheim Phone: +49 (0) 6190 9907-00 Fax: +49 (0) 6190 9907-50 E-Mail: info@hilscher.com Web: www.hilscher.com

Subsidiaries

China Hilscher Systemautomation (Shanghai) Co. Ltd. 200010 Shanghai Phone: +86 (0) 21-6355-5161 E-Mail: info@hilscher.cn

France Hilscher France S.a.r.I. 69500 Bron Phone: +33 (0) 4 72 37 98 40 E-Mail: info@hilscher.fr

India Hilscher India Pvt. Ltd. New Delhi - 110 025 Phone: +91 11 40515640 E-Mail: info@hilscher.in

Italy Hilscher Italia srl 20090 Vimodrone (MI) Phone: +39 02 25007068 E-Mail: info@hilscher.it

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Japan Hilscher Japan KK Tokyo, 160-0022 Phone: +81 (0) 3-5362-0521 E-Mail: info@hilscher.jp

Korea Hilscher Korea Inc. Suwon, 443-810 Phone: +81 (0) 3-5362-0521 E-Mail: info@hilscher.kr

Switzerland Hilscher Swiss GmbH 4500 Solothurn Phone: +41 (0) 32 623 6633 E-Mail: info@hilscher.ch

USA Hilscher North America, Inc. Lisle, IL 60532 Phone: +1 630-505-5301 E-Mail: info@hilscher.us

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