


# PC Cards - cifX

### Releases

The **cifX** PC-Card family run through a periodical system test. Usually this will be done with the release of a new product DVD, which contains firmware, device driver, configuration tool, auxiliary tools and documentation. The comprehensive tests will ensure an optimal interaction between all components and results in a fixed assignment between latest hardware, firmware, device driver, bootloader and configuration tool.

If you are using a different combination and you are facing problems, please contact your local distributor or Hilscher support.

	Current release:	<ul style="list-style-type: none"> <li>Communication Solutions DVD 2018-12-1</li> </ul>	For previous versions see version history.
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More information on [www.hilscher.com](http://www.hilscher.com)



### Configuration Tool

SYCON.net

Operating System	Windows 2000	Windows XP SP3	Windows Vista SP2	Windows 7	Windows 8	Windows 8.1	Windows 10
Status	✘	✘	✔	✔	✔	✔	✔

### Configuration Tool

netX Studio Engineering


Operating System	Windows 2000	Windows XP SP3
Status	✘	✘

### News

## Blog stream

Create a blog post to share news and announcements with your team and company.

### FAQs



## Device Driver

Device Driver Windows (NXDRV-WIN)

Op er at ing S y s t e m	Windows XP		Windows Vista		Windows 7 (KB3033929)		Windows 8/8.1		Windows 10		Windows 10 (Desktop / Secure Boot)		Wi nd ow s 10 (S er ve r)
	Driver Version	x86	x64	x86	x64	x86	x64	x86	x64	x86	x64	x86	
Driver Version	V1.0.0.0		V1.0.0.0		V1.0.0.0		V1.2.3.0		V1.3.0.0		V1.3.0.0		- / -
Architecture	x86	x64	x86	x64	x86	x64	x86	x64	x86	x64	x86	x64	x86
Status													

For other operating systems or toolkit follow the link.

## CIFX Hardware and Protocols

AS-Interface	CC-Link	CANopen	Device Net	PROFIBUS-DP	C-Link Field	C-Link Field Basic	EtherCAT	EtherNet/IP	Modbus/TCP	POWERLINK	PROFINET IO	Sercos	VARAN		
Slave	Master	Slave	Master	Slave	Master	Slave	Master	Slave	Client/Server	Client/Server	Device Controller	Slave	Master	Client	Manager

- Failed to add PROFIBUS-DP Generic Device DTM to Controller DTM in FieldCare
- Failed to add EtherNet/IP Generic Adapter DTM to Scanner DTM in FieldCare









## CIFX Hardware Related Product Features












	System bus	Form factor	USB Diagnostic interface	SYNC0/1	Slave Address Switch	2-channel	Integrated NVRAM	Detached network interface	Extended Temperature Range
CIF X 50	PCI	- - -	✗	✓ <sup>1</sup> )	✗	✓ <sup>3)</sup>	✗	✗	✓
CIF X 50E	PCI Express	- - -	✗	✓ <sup>1</sup> )	✗	✓ <sup>3)</sup>	✗	✗	✓
CIF X 70	Low Profile PCI Express	M D 1	✗	✓ <sup>1</sup> )	✗	✗	✓	✗	✓
CIF X 80	Compact PCI	3 U	✓	✓ <sup>1</sup> )	✗	✗	✗	✗	✓
CIF X 90\F	Mini PCI	- - -	✗	✓ <sup>1</sup> )	✗	✗	✗	✓ <sup>4)</sup>	✓
CIF X 90E\F	Mini PCI Express	- - -	✗	✓ <sup>2</sup> )	✗	✓ <sup>3)</sup>	✓	✓ <sup>4)</sup>	✓
CIF X 104	PC/104	- - -	✓	✓ <sup>1</sup> )	✓	✗	✗	✗	✓
CIF X 104\F	PC/104	- - -	✓	✓ <sup>1</sup> )	✓	✗	✗	✓ <sup>4)</sup>	✓
CIF X 104 C	PCI-104	- - -	✓	✓ <sup>1</sup> )	✓	✗	✗	✗	✓
CIF X 104 C\F	PCI-104	- - -	✓	✓ <sup>1</sup> )	✓	✗	✗	✓ <sup>4)</sup>	✓

### Legend

- 1) SYNC0/1 via 3-pin connector
- 2) SYNC0/1 via system bus
- 3) For DP, CO and DN only
- 4) Using a Assembly Interface (AIFX) with 15 cm cable

- How to change the value of EtherCAT CoE command for cycle time or other parameters?
- Network Scan
- Why does my modular EDS file not work?

CIFX Firmware Related Product Features			
		NDIS via CH1	EoE via CH1
EtherCAT Slave	CIFX-RE		
Ethernet/IP Adapter	CIFX-RE		
PROFIENT I/O Device	CIFX-RE		
sercos Slave	CIFX-RE		

CIFX Device Driver Support			
	CIFX support	Further Information can be found at ...	Note
C-Toolkit		cifX/netX Toolkit (NXDRV-TKIT)	
Windows		Device Driver Windows (NXDRV-WIN)	
Windows CE		Device Driver Windows CE (NXDRV-CE)	
Linux		Device Driver Linux (NXDRV-LINUX)	
QNX		Device Driver QNX (NXDRV-QNX)	
VxWorks		Device Driver VxWorks (NXDRV-VxWorks)	
InTime		Device Driver INtime (NXDRV-INtime)	
IntervalZero RTX®		Device Driver RTX (NXDRV-RTX)	
WinAC		Device Driver WinAC (NXDRV-WinAC)	
InCoSol OPC DA Server		<a href="http://incosol.de/products/hardware/cifx50-dp-profibus-dp-interface?lang=en">http://incosol.de/products/hardware/cifx50-dp-profibus-dp-interface?lang=en</a>	Third party OPC DA Server provided by InCoSol GmbH
CODESYS		<a href="https://www.codesys.com/products/codesys-fieldbus/industrial-ethernet/profinet.html">https://www.codesys.com/products/codesys-fieldbus/industrial-ethernet/profinet.html</a>	Third party device driver and configurator provided by the CODESYS Group

- Can not Create SYCON.net Project
- Can I mount a AIFX-DP/CO/DN/CC and a AIFX-RE on a CIFX90E at the same time?

## Documentation

Documentation about the products and tools can be found at:

- The Documentation Library
- The current product DVD

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- EtherCAT device identification in different XML file schemas

More  
FAQs .

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