

cifX/netX Toolkit (NXDRV-TKIT)

Releases



Current release:


- **V2.2.0.0 (NXDRVTKIT)**

For previous versions see version history.

Supported netX Chips

netX Chip	netX10	netX50	netX51	netX52	netX100	netX500	netX90	netX4000
DPM access	✓	✓	✓	✓	✓	✓	✓	✓
Bootstrap Support	✗	✓	✓	✓	✓	✓	✓	✓

General Information



Features


- O/S independent
- Support of PCI / ISA and DPM based connections to the Hilscher DPM
- Support of memory and FLASH based devices
- 64 Bit support
- Basic interrupt functions included

News

Blog Posts

- [cifX/netX Toolkit V2.2.0.0 released](#) created by Robert Mayer 2019-08-21 cifX Device Driver
- [cifX/netX Toolkit V2.1.0.0 released](#) created by Robert Mayer 2019-08-21 cifX Device Driver
- [cifX/netX Toolkit V1.6.0.0 released](#) created by Robert Mayer 2018-09-20 cifX Device Driver
- [cifX/netX Toolkit V1.5.0.0 released](#) created by Robert Mayer 2018-08-31 cifX Device Driver
- [cifX/netX Toolkit V1.4.0.0 released](#) created by Robert Mayer 2016-02-19 cifX Device Driver

FAQs



- Basic interrupt functions included
- Event handling for I/O and packet transfer functions
- netX100/500, netX50, netX51/netX52 Bootstrap support
 - Support of *Loadable Firmware Modules* (NXO files) consisting of a *Base OS Module* and *Loadable Protocol Stack Modules*
 - Device time setting during start-up
- netX90 and netX4000 support



Options:

- Why does xCHannelReset() return 0x800C0012 and the protocol stack is still not configured (subsequent functions returning Error: 0x800C0012)?

- Little Endian / Big Endian support (selectable via toolkit definition)
- DMA support for I/O data transfer (selectable via a toolkit definition, only for PCI devices where netX is directly connected to the PCI bus)
- Extended Parameter Check of Toolkit Functions (selectable via a toolkit definition)

- Which compilers are supported?
- What interfaces does the toolkit support?
- What does error CI_FX_DEV_NOT_RUNNING (0x800C0012) mean?

- Device time setting during start-up
- Custom Hardware Access Interface (e.g. DPM via SPI, selectable via a toolkit definition)

For more details click [here ...](#)



Description

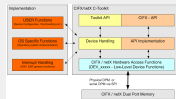
The cifX Toolkit is a standard component for accessing the Hilscher DPM used on COMX/CIFX and other netX based devices. It can be used to write own device drivers or used on microcontrollers to interface a Hilscher module.

- What does error CIFX_D_EV_N_OT_R_EA_DY (0x800C0011) mean?

[More FAQs .](#)

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The *cifX/netX Toolkit* consists of C-source and header files allowing abstract access to the dual-port memory (DPM) defined by Hilscher for cifX and comX devices and netX based components. It also contains the user interface functions (CIFX API) as well as generic access functions needed to handle the Hilscher DPM.



For more details click [here ...](#)

Road map

For more details click [here ...](#)

Documentation

Page	Document type	Document title	Content	Date	Language	File type
Serial dual-port memory interface - Getting started (Revision 6)	Getting started guide	Serial dual-port memory interface	Serial dual-port memory interface connection to the host.	2018-10	English	PDF
cifX netX Application Programmers Guide (Revision 1)	Programming reference guide	cifX netX Application Programmers Guide	Overview about programming resources and dual-port memory fundamentals.	2018-08	English	PDF
cifX netX Toolkit (Revision 10)	Toolkit manual	cifX/netX Toolkit	Description and usage of the cifX C-Toolkit.	2018-08	English	PDF
cifX API (Revision 5)	Programming reference guide	cifX API	Description and usage of the standard cifX API.	2018-08	English	PDF