

cifX/netX Toolkit (NXDRV-TKIT)


Releases

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|---|------------------|--|--|
|  | Current release: | <ul style="list-style-type: none"> V1.6.0.0 (NXDRVTKIT) | For previous versions see version history. |
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Supported netX Chips

| netX Chip | netX10 | netX50 | netX51 | netX52 | netX100 | netX500 |
|-----------------------|--------|--------|--------|--------|---------|---------|
| DPM access | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Bootstrapping Support | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ |

General Information


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|  | <h4 style="margin: 0;">Features</h4> <ul style="list-style-type: none"> 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 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
- cifX/netX Toolkit V1.3.0.0 released created by Robert Mayer 2015-08-10 cifX Device Driver

FAQs

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

Options:

- Little Endian / Big Endian support (selectable via toolkit definition)

- Why does xC handle Rteset() returns and the protocol stack is still not configured (subsequent function returns returning Error: 0x800C0012)?

- 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)
- Device time setting during start-up

- Which compilers are supported?
- What interfaces does the toolkit support?
- What does error C1FX_D EV_N OT_R UN NI NG (0x800C0012) mean?

- Custom Hardware Access Interface (e.g. DPM via SPI, selectable via a toolkit definition)

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



Description

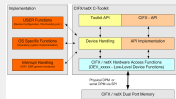
The cifX Toolkit is a standard component for accessing the Hilscher DPM used on COMX/CIFX and other netX based devices. It can be used to write own device drivers or used on microcontrollers to interface a Hilscher module.

- What does error CIFX_DEV_N_OT_READY (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 |