

FAQ - NXDRV-LINUX

Linux Specific

- Does the driver work under RTAI
- Does the driver work under XENOMAI
- Failed to install the driver via the provided build script
- Failed to load the uio_netx kernel module
- Failed to map the DPM of a device
- How to enable access to cifX device for non-root users
- How to enable an automated load of the uio_netx kernel module at system start
- Is DMA data transfer supported?
- What devices are supported?
- Which Kernel versions are supported
- Which Linux distributions are supported
- Why is my "ethercat.xml" configuration file not downloaded ?

Installation

- Failed to install the driver via the provided build script
- Failed to load the uio_netx kernel module
- How to install the driver step by step
- Is DMA data transfer supported?

Configuration

- cifX Device is not correctly configured
- No log file of the user space driver is created
- Why is my "ethercat.xml" configuration file not downloaded ?

Application

- Any questions to the driver's API
- Failed request DMA state or to exchange IO-data via DMA
- Unable to access or find a device

Virtual Ethernet Interface

- Failed to create a Virtual Ethernet Interface

- Which Kernel versions are supported
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- Does the driver work under XENOMAI
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- What devices are supported?
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- How to install the driver step by step
- How to enable access to cifX device for non-root users
- How to enable an automated load of the uio_netx kernel module at system start
- Unable to access or find a device
- Failed to install the driver via the provided build script
- Failed to load the uio_netx kernel module
- Failed to map the DPM of a device
- Failed request DMA state or to exchange IO-data via DMA
- Failed to create a Virtual Ethernet Interface
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- cifX Device is not correctly configured
- Any questions to the driver's API
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Generic / API

- How do I set the output data for the first bus cycle?
- What does error CIFX_DEV_EXCHANGE_FAILED (0x800C0022) mean?
- What does error CIFX_DEV_FUNCTION_FAILED (0x800C0025) mean?
- What does error CIFX_DEV_NO_COM_FLAG (0x800C0021) mean?
- What does error CIFX_DEV_NOT_READY (0x800C0011) mean?
- What does error CIFX_DEV_NOT_RUNNING (0x800C0012) mean?
- Why does xChannelReset() returns and the protocol stack is still not configured (subsequent functions returning Error: 0x800C0012)?