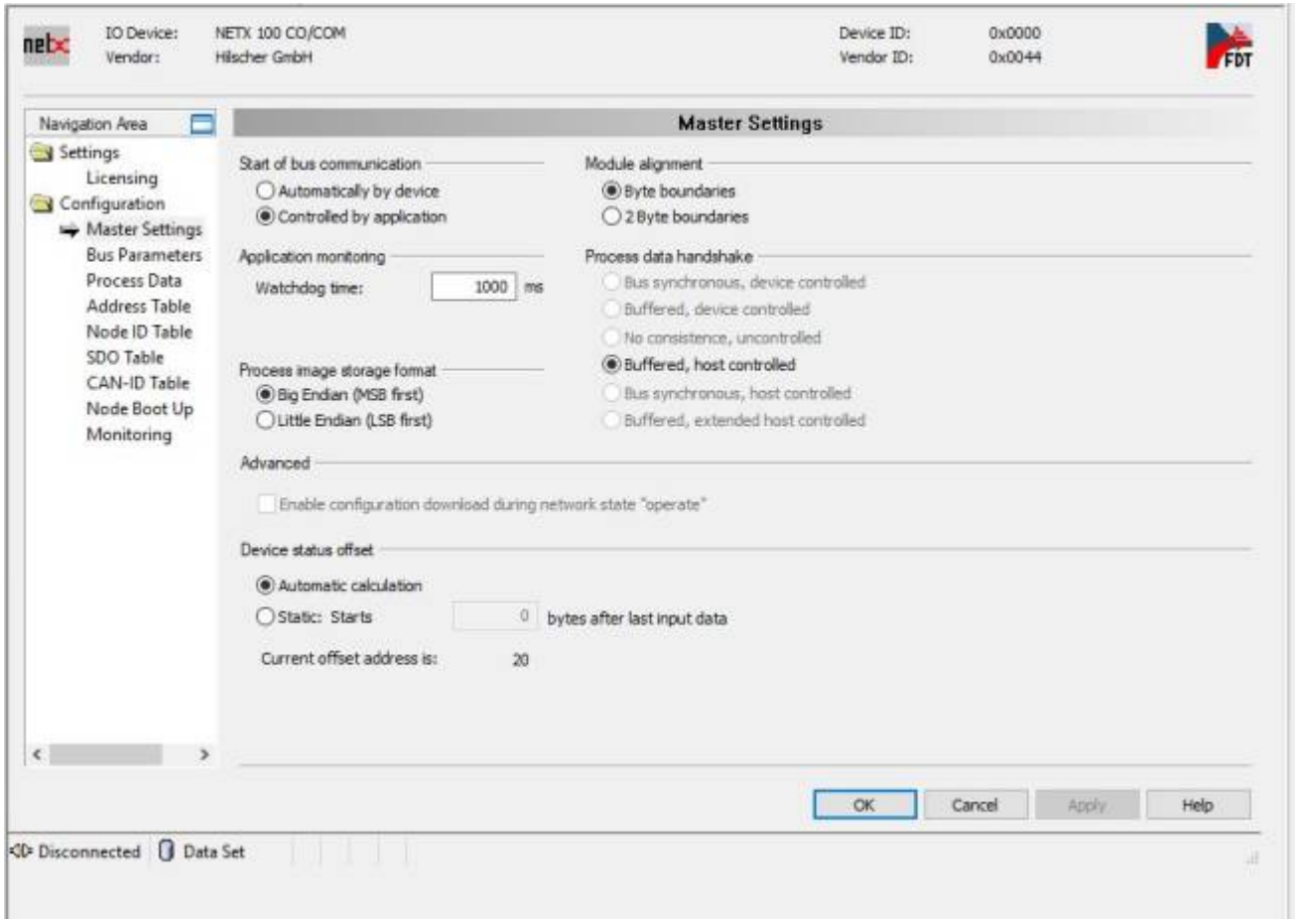
Ethernet/Powerlink Gateway

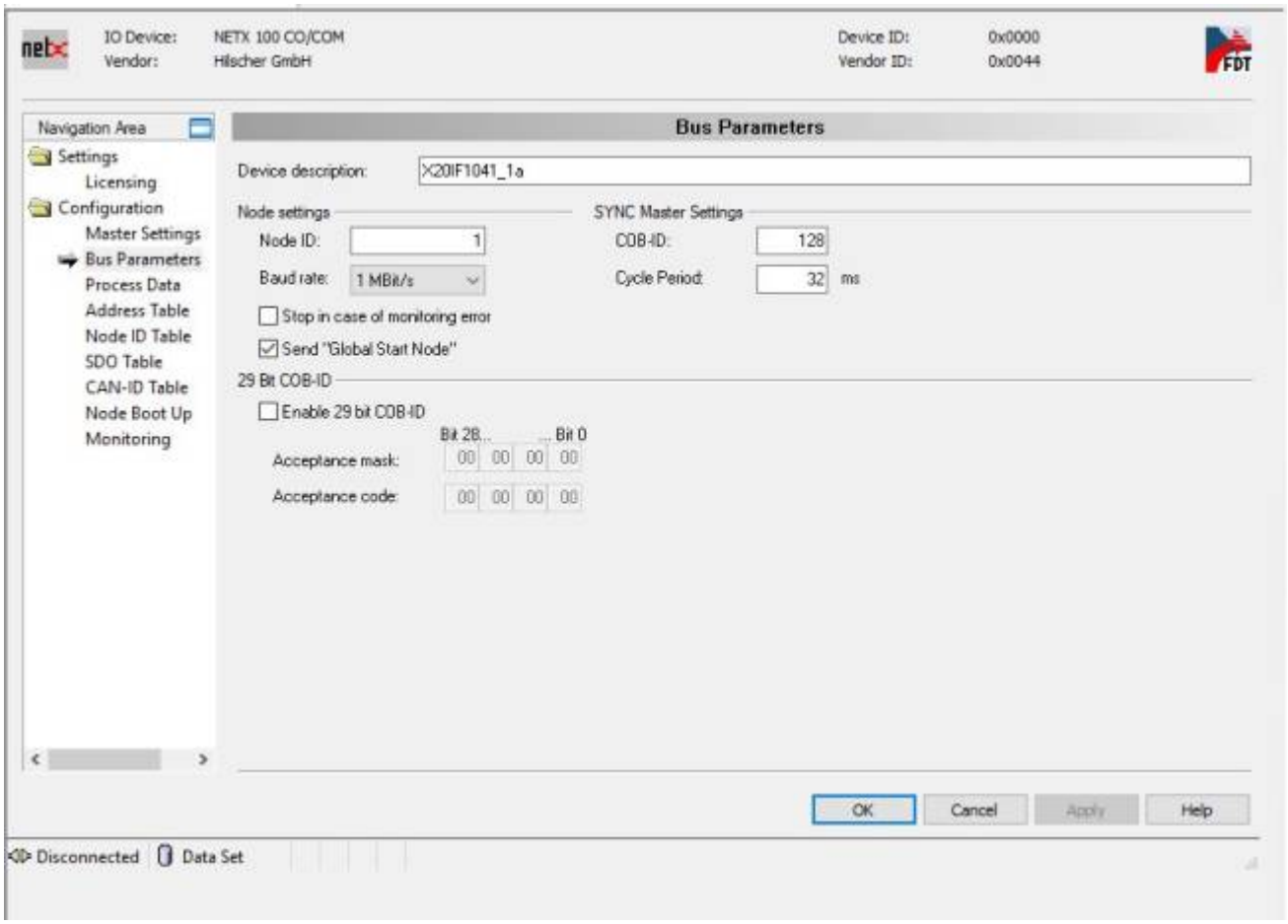
This page describes the **Ethernet/Powerlink gateway** for controlling the integrated drive motors from an Ethernet/Powerlink master PLC.

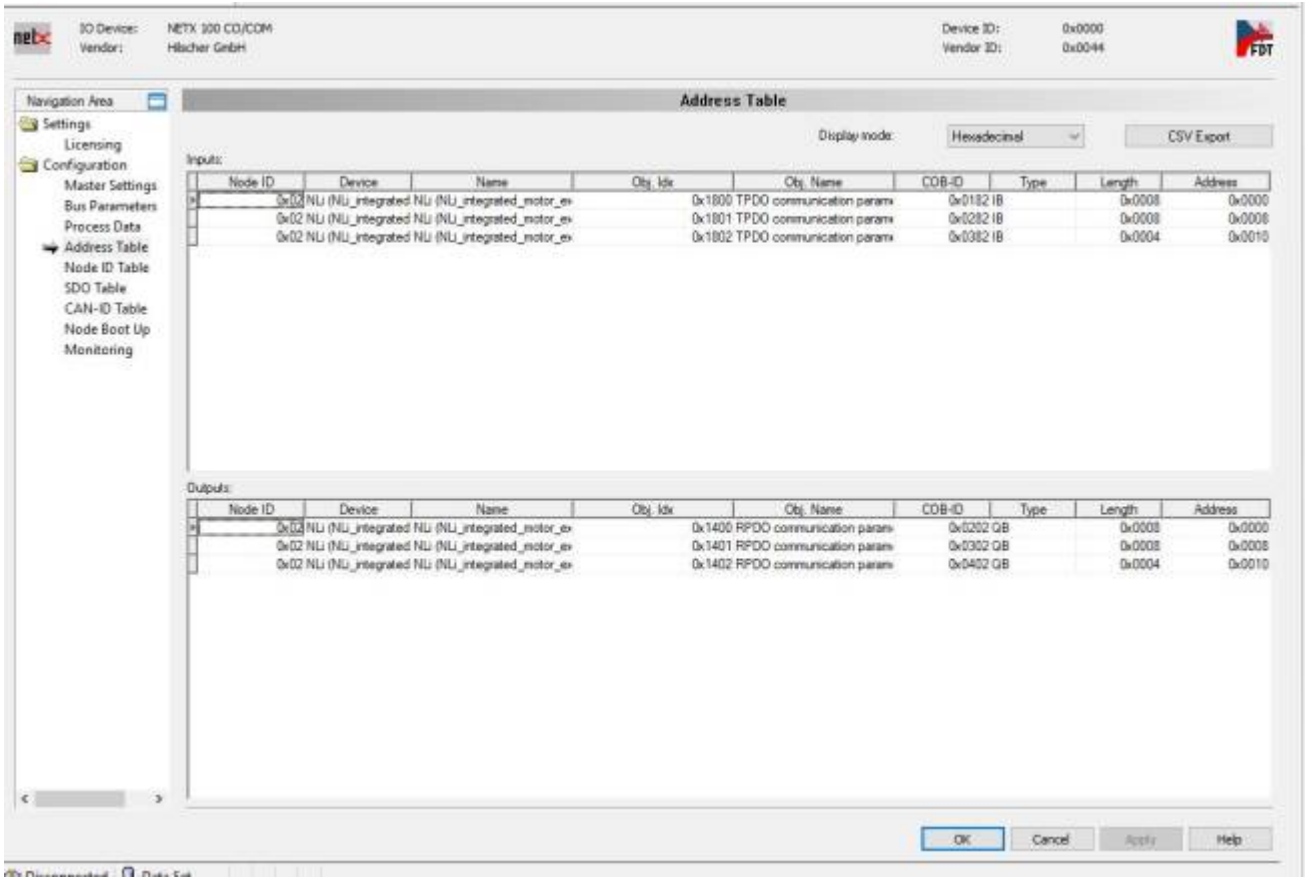
In order to control the integrated drive motor with an Ethernet/Powerlink Master PLC, it is possible to use a standard gateway solution.
The NLi motor must be updated with the Extended PDO Firmware. Please contact NILAB for the right firmware.

Hilscher NETX 100 Ethernet/Powerlink to CANopen Gateway

The images below show the gateway and the configuration for the integration.




IO Device: NETX 100 CO/COM
Vendor: Hilscher GmbH
Device ID: 0x0000
Vendor ID: 0x0044
Navigation Area
Settings
Licensing
Configuration
Master Settings
Bus Parameters
Process Data
Address Table
Node ID Table
SDO Table
CAN-ID Table
Node Boot Up
Monitoring
Bus Parameters
Device description: X20IF1041_1a
Node settings
Node ID: 1
Baud rate: 1 MBit/s
Stop in case of monitoring error
Send "Global Start Node"
SYNC Master Settings
COB-ID: 128
Cycle Period: 32 ms
29 Bit COB-ID
Enable 29 bit COB-ID
Bit 28... ... Bit 0
Acceptance mask: 00 00 00 00
Acceptance code: 00 00 00 00
OK
Cancel
Apply
Help
Disconnected
Data Set


IO Device: NETX 100 CO/COM
Vendor: Hilscher GmbH
Device ID: 0x0000
Vendor ID: 0x0044
Navigation Area
Settings
Licensing
Configuration
Master Settings
Bus Parameters
Process Data
Address Table
Node ID Table
SDO Table
CAN-ID Table
Node Boot Up
Monitoring
Address Table
Display mode: Hexadecimal
CSV Export
Inputs:
Node ID | Device | Name | Obj. Idx | Obj. Name | COB-ID | Type | Length | Address
0x02 NU (NU_integrated NU (NU_integrated_motor_ex 0x1800 TPDO communication param 0x0182 IB 0x0008 0x0000
0x02 NU (NU_integrated NU (NU_integrated_motor_ex 0x1801 TPDO communication param 0x0282 IB 0x0008 0x0008
0x02 NU (NU_integrated NU (NU_integrated_motor_ex 0x1802 TPDO communication param 0x0382 IB 0x0004 0x0010
Outputs:
Node ID | Device | Name | Obj. Idx | Obj. Name | COB-ID | Type | Length | Address
0x02 NU (NU_integrated NU (NU_integrated_motor_ex 0x1400 RPDO communication param 0x0202 QB 0x0008 0x0000
0x02 NU (NU_integrated NU (NU_integrated_motor_ex 0x1401 RPDO communication param 0x0302 QB 0x0008 0x0008
0x02 NU (NU_integrated NU (NU_integrated_motor_ex 0x1402 RPDO communication param 0x0402 QB 0x0004 0x0010
OK
Cancel
Apply
Help

Notes

- The gateway converts the Ethernet/Powerlink master communication to CANopen for the motor. - The motor firmware must support the extended PDO mapping; contact NILAB to obtain the correct firmware. - Follow the gateway configuration shown above for the axis setup. - Refer to the CANopen page for the PDO mapping and the communication parameters.

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