

NILAB Starter

This page describes how to use **NILAB Starter** with the gateway. The tool is used to check the status and to read and write a configuration without an EtherCAT connection.

In order to check the status and to read and write a configuration without an EtherCAT connection, it is possible to use the NILAB Starter commissioning tool.

With this tool you can write the control word, you can read the status word, the PDO, PDI mapping, and the CANopen baud rate.

This software can be downloaded here: https://www.nilab.at/dokuwiki/doku.php?id=nilab_starter:start

NILAB Starter Commissioning Tool - V2.4.0.0

COM: COM9 | DISCONNECT FROM MOTOR | DOWNLOAD CONFIGURATION TO MOTOR | UPLOAD CONFIGURATION FROM MOTOR | Target: GTW-ETH | FW: 5880 | P

Progress Bar: 0% | 100% | MAC: E0B036F6B1A

Parameter | Communication | Bus_Converter

EtherCAT BUS CONVERTER

0	Number of slaves	2	7	PDO1 address	24676	15	PDI1 address	24769
1	Sync time Can	2	8	PDO1 length	32	16	PDI1 length	32
2	Sync time Can PDOs	25	9	PDO2 address	24641	17	PDI2 address	24640
3	Sync time modbus	100	10	PDO2 length	16	18	PDI2 length	16
4	Can timeout	0	11	PDO3 address	24673	19	PDI3 address	24672
5	Modbus timeout	200	12	PDO3 length	8	20	PDI3 length	8
6	Gateway Mode	0	13	PDO4 address	0	21	PDI4 address	0
			14	PDO4 length	0	22	PDI4 length	0
						23	CanOPEN baudrate	1000
						252	EtherCAT VendorID	11495

Read Gateway Registers

Write Gateway Registers

Write configuration to Flash

Digital input and output state

4620 DGT IN 0 | 4621 DGT OUT 0

4634 DGT IN 1 | 4632 DGT OUT 1

4128 DGT OUT 2

Motor axis status

Actual Position: 4634 | 0,000 mm

Actual Speed: 4632 | 0,000 m/s

Motor Current: 4128 | 0,000 A

Motion state:

Notes

- Use NILAB Starter for commissioning and diagnosis without an EtherCAT connection.
- The tool reads and writes the control word, the status word, the PDO/PDI mapping, and the CANopen baud rate.
- Download the software from the link above.
- Refer to the configuration page for the network setup and the parameterization.

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Knowledgebase

Permanent link:
https://www.nilab.at/dokuwiki/doku.php?id=en:gtw_ethercat:nilab_starter

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