

Ethernet/IP Gateway



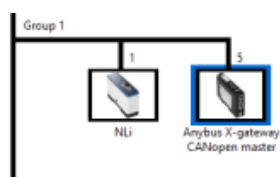
This page describes the **Ethernet/IP gateway** for controlling the integrated drive motors from an Ethernet/IP master PLC.

In order to control the integrated drive motor with an Ethernet/IP 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.

HMS X-gateway - CANopen Master - EtherNet/IP Adapter configuration

Starting configuration file for 1 axis: [:integrated_drive_motors:pdo_fixed_cobids_hms.zip](#)



Device Type		Manager
Manager Settings		
Download NMT Startup Config		☒
Device is NMT master		☒
Start all remote nodes		☒
Application will decide when to switch to operational		☐
Master shall not start the slaves		☐
Reset all remote nodes		☐
Node is flying master		☐
Stop all remote nodes		☐
Download Concise DCF to the manager		☒
Network Boot Time		
Boot Time (ms)		0
Heartbeat		
Producer interval (ms)		0
Consuming Node ID/Time Out (ms)		
SYNC		
SYNC Producer		Enabled
COB-ID SYNC Messages		0x80
Cycle Period (µs)		4000
Synchronous Window Length (µs)		3000
PDO Settings		
Receive PDO 1		
PDO Communication		
Lock COB-ID		☐
Valid		☒
COB-ID		0x181
Transmission Type		Async, Device Profile (255)
No. of SYNCs		
PDO Mapping		
Lock Mapping ☐		
Bit Pos.	Mapped objects	
0	Receive Word 2 [2110,02]	
16	Receive Word 1 [2110,01]	
32	Receive Word 3 [2110,03]	

Notes

- The gateway converts the Ethernet/IP master communication to CANopen for the motor. - The motor firmware must support the extended PDO mapping; contact NILAB to obtain the correct firmware. - Use the provided configuration file as the starting point for the axis setup. - Refer to the CANopen page for the PDO mapping and the communication parameters.

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