

EASY Starter OPC UA Server



Preparing OPC UA access to Lenze devices

Software Manual

EN



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Lenze

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About this documentation

Document history

1 About this documentation

This documentation contains information on how the access to Lenze devices via OPC UA is to be prepared in the Lenze »EASY Starter«. The aim is to subsequently access Lenze devices with software of different manufacturers in order to read and write device parameters.

1.1 Document history

Version			Description
1.0	04/2014	TD11	First edition



Tip!

Current information on the Lenze products can be found at: <http://www.Lenze.com>

What is OPC UA?

OPC UA in the »EASY Starter«

2 What is OPC UA?

OPC Unified Architecture (OPC UA) is a standard of the OPC Foundation. OPC UA...

- ...allows for safe, reliable data transport between the field device level and manufacturer-independent software applications.
- ...allows to write/read the parameters of Lenze devices with software from different manufacturers.

2.1 OPC UA in the »EASY Starter«

From version 1.6 on, the »EASY Starter« contains an OPC UA server with which the software of a different manufacturer can access the parameters of the Lenze devices via the standardised OPC UA interface in order to read/write values.

Advantages

The OPC UA standard has the following advantages:

- State of the art according to the OPC Foundation.
- On the OPC client side: access independent of the operating system; therefore remote access possible with software which supports other operating systems than Microsoft Windows.
- Improved safety in remote maintenance with little configuration effort of the firewall settings through coded communication and certificate verification.

Supported devices: which Lenze devices can I access?

Access is possible to all Lenze devices and communication links supported by the »EASY Starter«.

- The OPC UA server allows for the access to all current Lenze devices of the L-force product portfolio.
- Furthermore access is possible to previous versions of the Global Drive series (8200, 9300, ECS). The access to these devices was previously realised via "Drive Server" which has been replaced by the newer OPC UA standard.

Supported software: which software allows the access?

The software with which you would like to access Lenze devices via OPC UA must act as OPC UA client and support the OPC UA functionality.

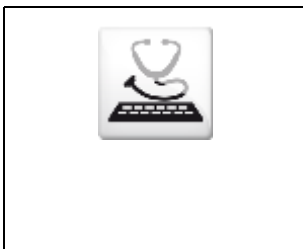
3 Access to Lenze devices with OPC UA



Note!

In order to access Lenze devices with OPC UA you need a valid licence in the "EASY Advanced" version" which is, for instance, included when buying the Lenze »Engineer«.

3.1 »EASY Starter«: Using OPC UA



The access to Lenze devices must first be prepared in the »EASY Starter«. The button to prepare the access via OPC UA can only be activated if...

...a licence of the "EASY Advanced" version or higher is available.

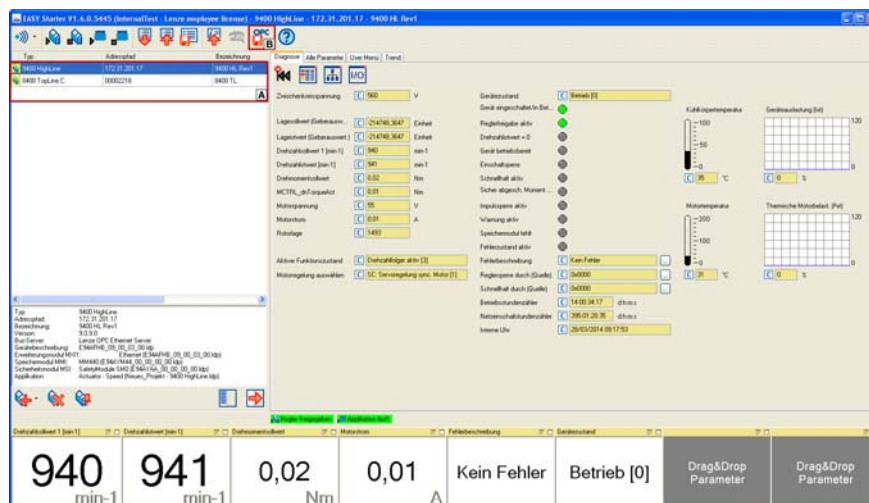
...at least one devices is integrated.

...the »EASY Starter« has been started in the parameterisation mode.



How to proceed:

1. Start the »EASY Starter« in the parameterisation mode.
2. Add the required devices to the »EASY Starter« (area **A**),
3. Save the configuration by clicking the button (area **B**).
 - The »EASY Starter« writes a configuration file, then the access to the Lenze devices is prepared.



A Lenze devices which are to be accessed via OPC UA.

B Save the configuration file in order to prepare the access via OPC UA

Access to Lenze devices with OPC UA

Starting the Lenze OPC UA server

3.2 Starting the Lenze OPC UA server

After configuration the Lenze OPC UA server must be started: a link can be found in the Start Menu of Windows: **All programs→Lenze→OPC**



Tip!

When the Lenze OPC UA server has been started, the following symbol is visible in the Microsoft Windows system tray:



When starting, the Lenze OPC UA server reads the file which was previously created in the »EASY Starter«. ▶ [»EASY Starter«: Using OPC UA](#) (📖 5)

3.3 Lenze OPC UA server: options

Normally no further settings are required. A context menu with additional options is available in the system tray (tray icon):

Right-click on the symbol 

Options:

- Close the Lenze OPC UA server.
- Have a logging file with error information output.
- Display information on the server (endpoint URL), administer certificates.

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Your opinion is important to us

These instructions were created to the best of our knowledge and belief to give you the best possible support for handling our product.

If you have suggestions for improvement, please e-mail us to:

feedback-docu@Lenze.de

Thank you for your support.

Your Lenze documentation team



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