Your Global Automation Partner

TURCK

GEN...
Firmware Update via PACTware

Technical Support Document

1 About these instructions

These instructions describe the process for updating the firmware of the GEN… Ethernet gateway via PACTware.

1.1 Target groups

These instructions are intended for qualified personnel and must be read carefully by anyone operating and maintaining the device.

When using the device in Ex circuits, the user must also have an additional knowledge of explosion protection (IEC/EN 60079-14 etc.).

1.2 Feedback about these instructions

We make every effort to ensure that these instructions are as informative and as clear as possible. If you have any suggestions for improving the design or if some information is missing in the document, please send your suggestions to techdoc@turck.com.

2 Carrying out a firmware update with PACTware

Requirements

The PACTware FDT frame application, the DTM for the device and the latest firmware can be downloaded free of charge from www.turck.com.

- The module rack must be connected to the power supply.
- The screws of the power supply modules have been tightened or the locking cap has been locked in place.
- The gateway is plugged in and is connected to a PC via an Ethernet cable.
- PACTware 6.0 must be installed.
- The latest firmware file has been downloaded.

The device is operational automatically once the power supply is switched on.

Adding a gateway in PACTware

- ▶ Open PACTware.
- ▶ Create a new project.
- ▶ Double-click **BL Service Ethernet**.

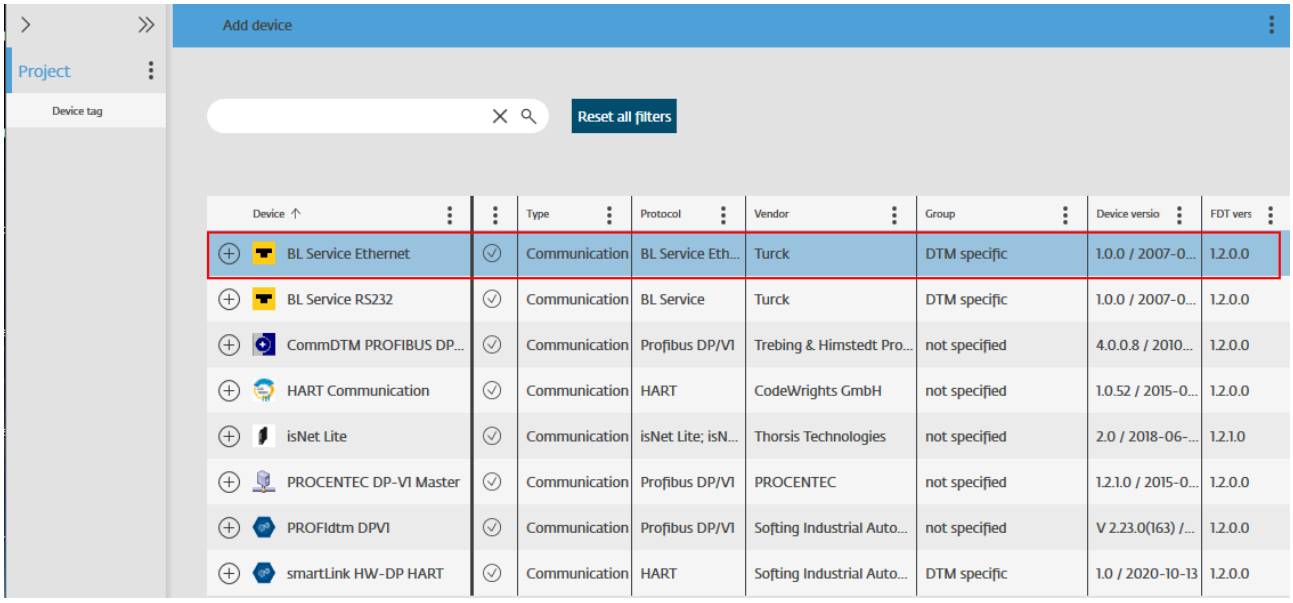

Fig. 1: Adding a gateway in PACTware

Carrying out a firmware update

- ▶ Double-click **TCP:192.168.167.110**.
- ▶ Select the Ethernet interface.
- ▶ To select the gateway for the firmware update: Click the Search icon.

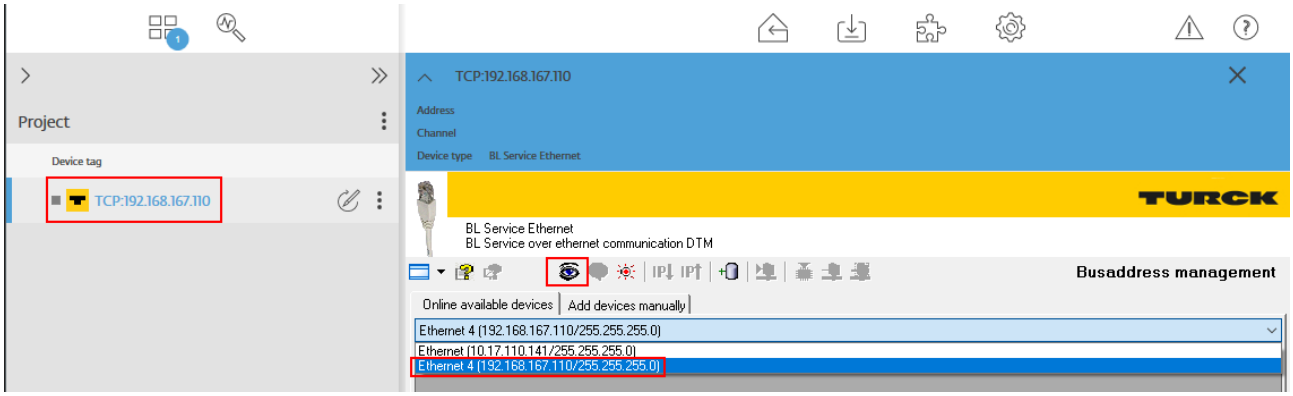

Fig. 2: Select the Ethernet interface

- ▶ In the **Busaddress management** window, select the firmware update icon with the green arrow.

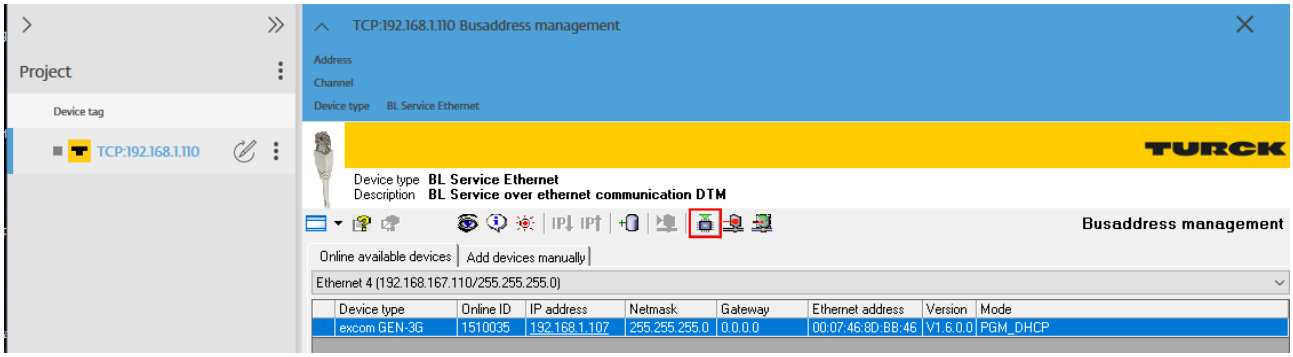

Fig. 3: Firmware update icon

⇨ The window for selecting the firmware update opens.

NOTE
When updating to V.1.6.0.0, the current boot loader must be installed first.
▶ In the next step, select the boot loader file instead of the firmware update.

▶ Open the folder where the firmware update is saved and select the file.
▶ Click **Open**.

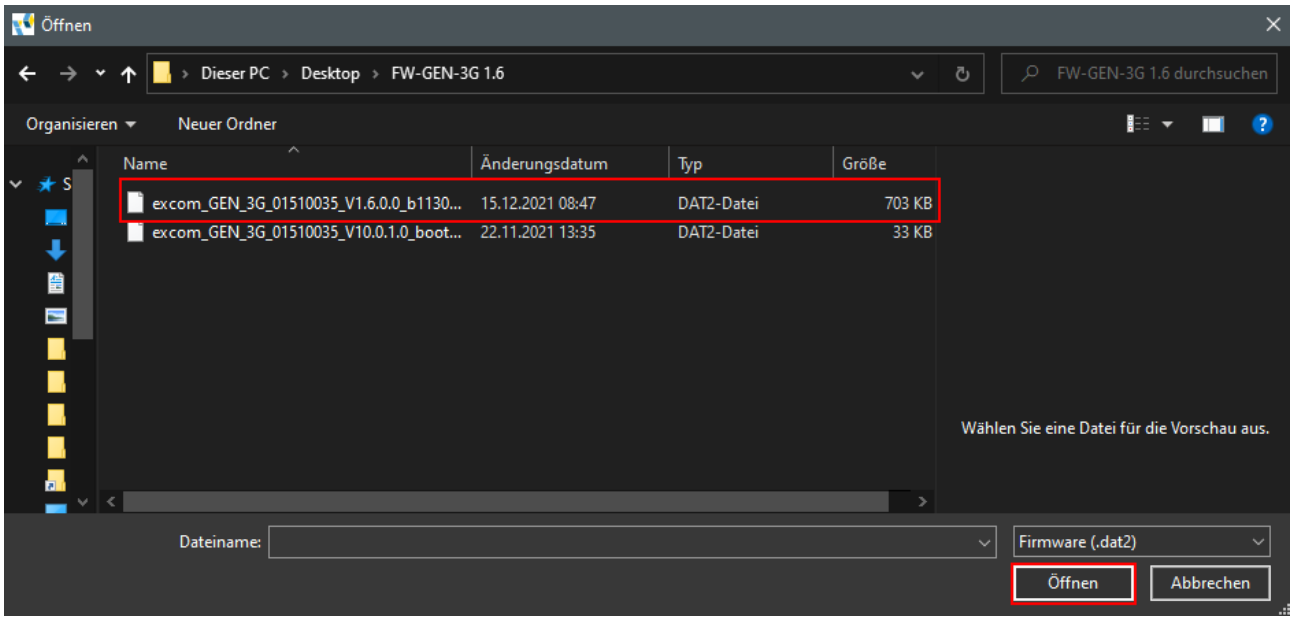

Fig. 4: Selecting the firmware update

The firmware update is carried out. A progress bar appears under **TCP:192.168.167.110** in the sidebar and above the PACTware logo. The firmware update may take up to five minutes.

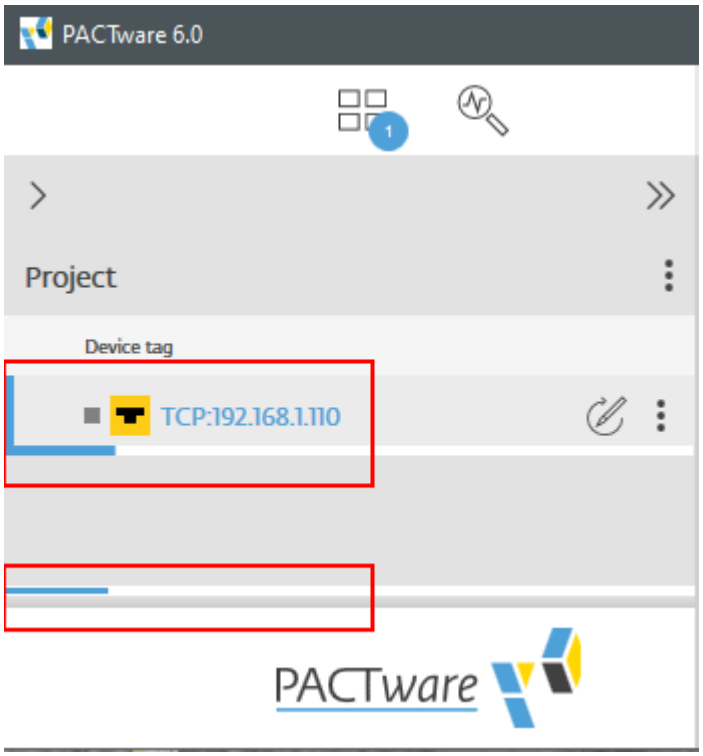

Fig. 5: Firmware update in progress

If the firmware update is successful, the following message is displayed:

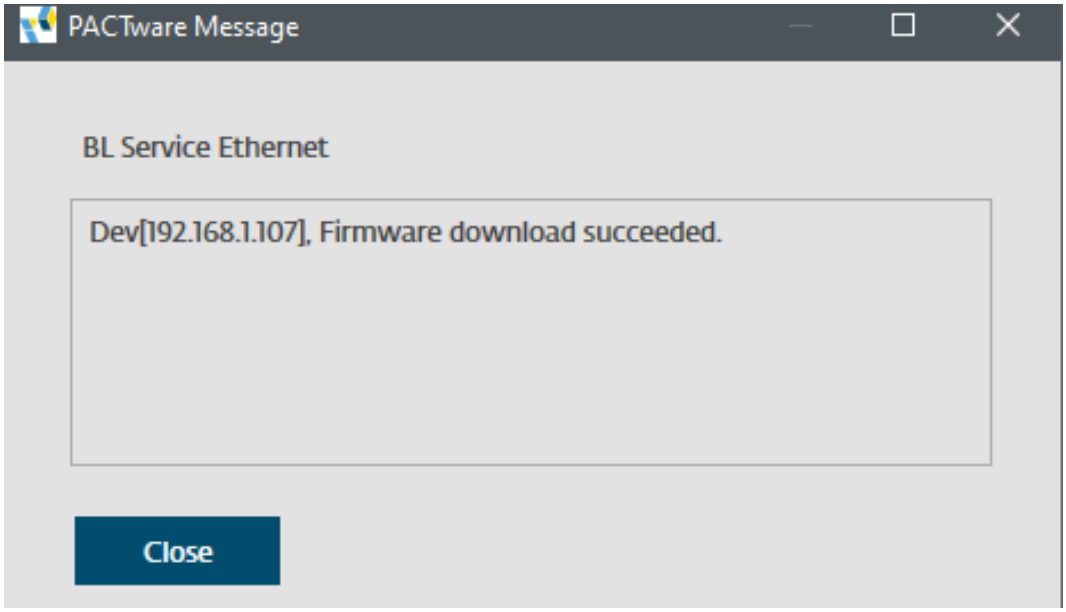

Fig. 6: Firmware update carried out successfully

Checking the firmware version

- ▶ In the **Busaddress management** window, click the search icon.
- ⇨ The **Version** column displays the current firmware version.

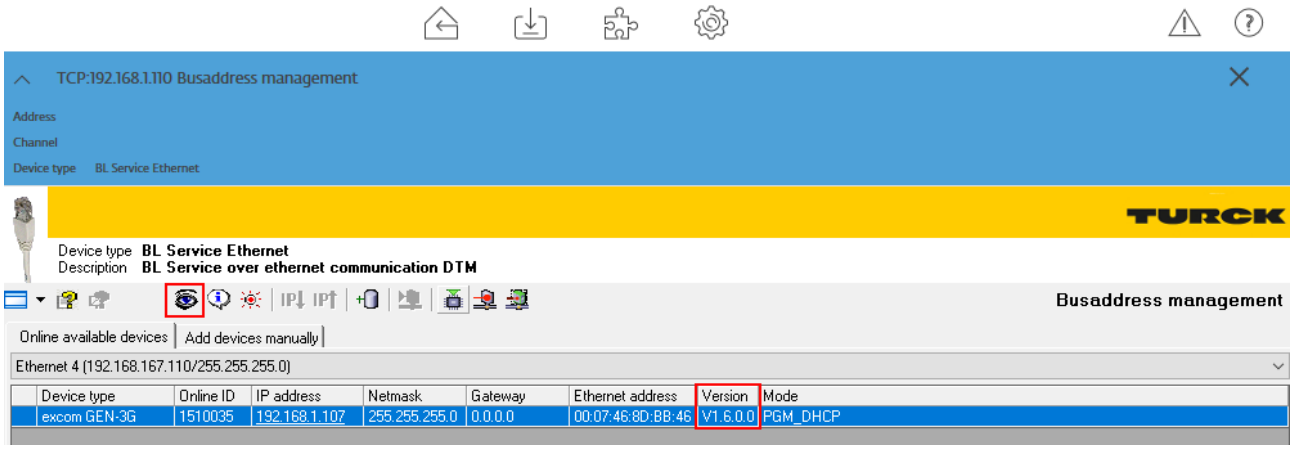

Fig. 7: Current firmware version in PACTware

Alternatively, the firmware version can also be checked in the web server. The device is factory set to IP address 192.168.1.254. To open the web server via a web browser, enter 192.168.1.254 in the address bar of the web browser. Navigate to **EXCOM GEN-3G** → **Info** → **Firmware revision** via the left-hand sidebar to display the current firmware version.

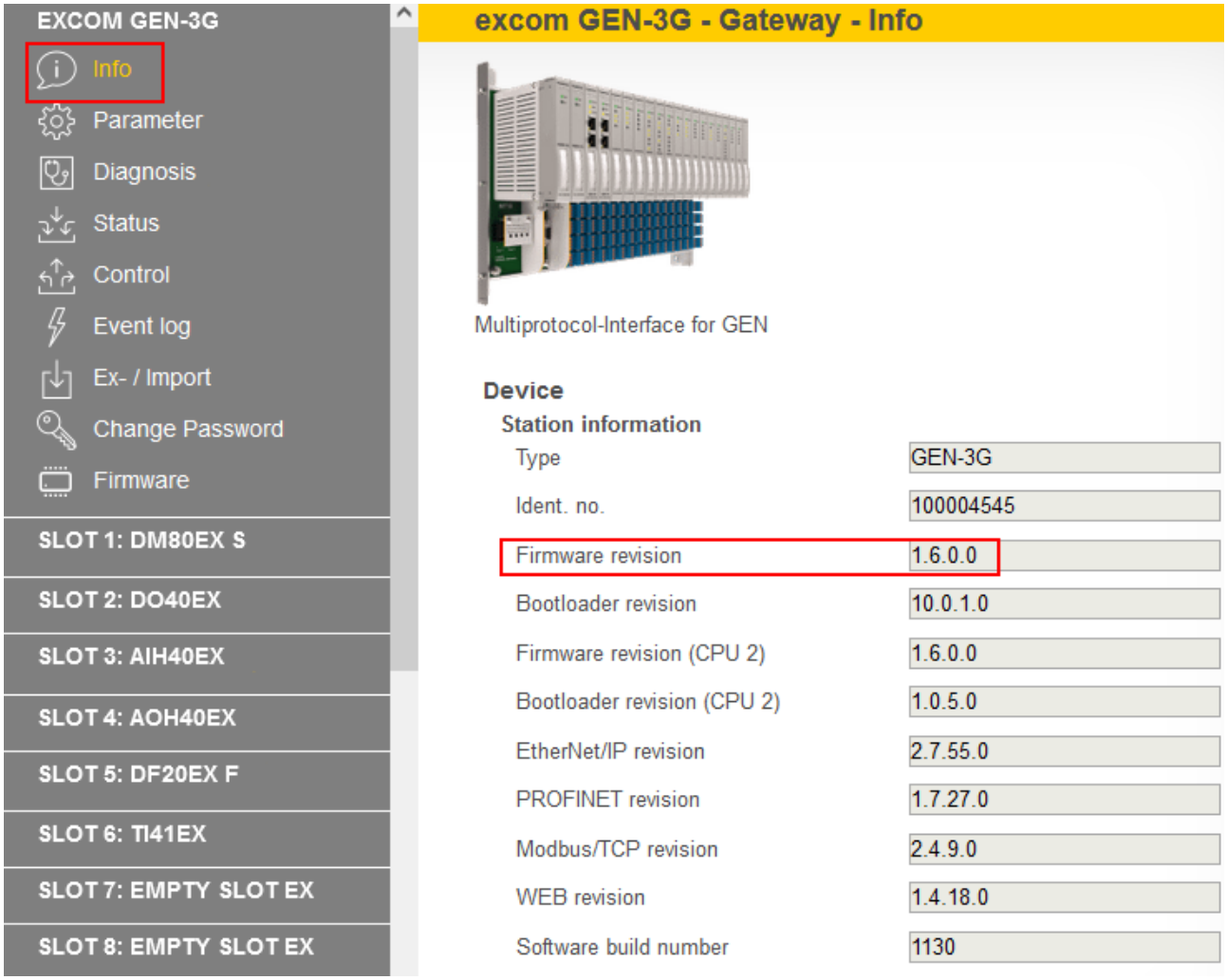

Fig. 8: Current firmware version in the web server

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