



Release Notes **LR DEVICE 1.6.0**

New Features

- 1) Cockpit for IoT Core IO-Link Master
 - a. Read and display process data (PDIn) (2619)
 - b. PDout support (2621) - including detailed error handling - Update PDout Boolean switch element with the read value if device supports reading from PDout
- 2) Show IO-Link events for sensors connected by IoT-Core master (2618)
- 3) Support PerformanceLine IoT-Core master with new features and parameters (2620)
- 4) Support any IO-Link Master from other vendors than ifm with IoT-Core (2636)
- 5) Add vendorID in device header to facilitate port configuration (2698)

Changes

- 6) Improved BLOB functionality:
 - a. Display of BLOB read and write functionality only if elements are available for them. (2697 / 2736).
 - b. Improve the descriptions of BLOB menu and its elements (2721)
 - c. Remove BLOB mode "Idle" in BLOB read and write section (2720)
 - d. Improve handling of large BLOB files. Display the progress of download in a double format with two digits (2683)
- 7) Improved User Interface for writing PDOut
 - a. Show static label in cockpit for PDout after the warning message before writing to an actuator was confirmed (2729)
 - b. Show user information if current PDOut status cannot be read from device (2764). In this case, the boolean on/off values are set to "false". (2759)
- 8) Show tooltip over device picture if it provides a link to the product homepage/manual (2751).
- 9) Improved configuration of cockpit chart -
 - a. No decimal values are adjustable (2730) and an improved time format is realized (1941, 2769).
 - b. The maximum number of process data sources that can be selected is limited to 10 so that the diagram can display them safely (2715).
- 10) Improved Security (2746)
- 11) IO-Link Master is displayed in the topology with hostname, only if no hostname is available the ApplicationSpecificTag is used as display name (2629).
- 12) Deny to display an internal stored device of a Memory Plug if its content can't be displayed and show an error message (2714)
- 13) Display menus without parameters but sub menu references also if they contain no further conditions (2713)
- 14) Modified Open Source License Information (2658)
- 15) Default Application Specific Tag "****" is not shown in topology. (2758)



- 16) Ensure that writing to an empty port with manually set config (offline or *.lrp) is possible if a device was connected but not yet read (2634)
- 17) Improve the handling in case of modified parameter are not displayed due to condition switch
 - a. The status icon of a changed button will also be kept after a condition switch (2644)
 - b. Ensure that the modified entries are stored (2770, 2520)

Bug Fixes

- 18) Fix handling of DirectParameterOverlay IODD element (2737)
- 19) Fix recognition of process data format when using IODD element "ProcessDataRefCollection" (2754)
- 20) Fix escaping of XML characters in device login dialog (2663).
- 21) Fix freezing after connecting a device via USB without having an IODD and cancelling the automatic download. Make sure that the device can be read after the IODD is installed and a new search is started (2689).