



SOFTWARE RELEASE NOTES

LB/FB PROFINET

LB8122A.1.EL

FB8222B.1.EL



Software Details

Software Name: LB PROFINET Gateway LB8122A.1.EL
FB PROFINET Gateway FB8222B.1.EL

Release Version: V1.0.10.0.

Release Date: November 07th 2019

Highlights

Connects LB/FB System to PROFINET Controllers.

Changes

First Release

Bug Fixes

First Release

Compatibility Notes

The LB8122A.1.EL has been qualified with

- SIMATIC PCS7 V9.0 + SP1
- SIMATIC TIA Portal V15.1
- The LB8122A.1.EL is compatible with following GSDML:
- GSDML-V2.33-PF-RIO-LBFB-20190718 or greater

Additional Notes

- Recommended MRP timeout setting is $8 \cdot 32 \text{ ms} = 256 \text{ ms}$ (should be 200 ms according to Profinet specification).
- IO modules LB5x01, LB5x02, LB5x06: The Siemens TIA Portal shows a light blue rectangular and a black exclamation mark beneath the subslot of the corresponding IO module in the device overview. This is considered a bug of the TIA Portal that affects only presentation in the device overview and will not cause the signaling of an error.
- Peer MAC address is shown correctly in Proneta 2.4 and 2.7 but not in Proneta 2.5 and 2.6. This problem is considered a bug in Proneta.
- No range alarms for outputs are implemented.
- Restart device after setting Temporary IP address (factory reset): device starts with the last saved IP address and not with 0.0.0.0 address or with DHCP on.
- Not implemented yet: HARToverProfinet, shared IO, CiR, S2 redundancy.



Software Details

Software Name: LB PROFINET Gateway LB8122A.1.EL
FB PROFINET Gateway FB8222B.1.EL

Release Version: V1.3.3.991.

Release Date: July 14th 2022

Highlights

Connects LB/FB Systems to PROFINET Controllers.

Changes

Added S2 Redundancy feature

Bug Fixes

Corrected lead breakage and short circuit detection diagnostics for LB/FB1x09 when inputs are used in inverse logic

Corrected channel type display for LB/FB7x04

Compatibility Notes

The LB/FB8x22x.1.EL has been qualified with

- SIMATIC PCS7 V9.0 + SP1
- SIMATIC PCS7 V9.1
- SIMATIC TIA Portal V15.1

The LB/FB8x22x.1.EL is compatible with following GSDML:

- Use without S2 redundancy feature:
 - GSDML-V2.33-PF-RIO-LBFB-20190718 or greater
 - GSDML-V2.2-PF-RIO-LBFB-20190718 or greater
- Use with S2 redundancy feature:
 - GSDML-V2.33-PF-RIO-LBFB-20220512 or greater
 - GSDML-V2.2-PF-RIO-LBFB-20220512 or greater

Additional Notes

- Firmware Version displayed as 1.3.3
- Recommended MRP timeout setting is $8 \times 32 \text{ ms} = 256 \text{ ms}$ (should be 200 ms according to Profinet specification).
- IO modules LB5x01, LB5x02, LB5x06: The Siemens TIA Portal shows a light blue rectangular and a black exclamation mark beneath the subplot of the corresponding IO module in the device overview. This is considered a bug of the TIA Portal that affects only presentation in the device overview and will not cause the signaling of an error.
- Peer MAC address is shown correctly in Proneta 2.4 and 2.7 but not in Proneta 2.5 and 2.6. This problem is considered a bug in Proneta.



- No range alarms for outputs are implemented.
- Restart device after setting Temporary IP address (factory reset): device starts with the last saved IP address and not with 0.0.0.0 address or with DHCP on.
- Not implemented yet: HARToverProfinet, Shared Device, Dynamic Reconfiguration

Software Details

Software Name: LB PROFINET Gateway LB8122A.1.EL
FB PROFINET Gateway FB8222B.1.EL

Release Version: V1.3.4.1127.

Release Date: Nov 24th 2022

Highlights

Connects LB/FB Systems to PROFINET Controllers.

Changes

None

Bug Fixes

IO Modules, which have been removed from PLC / DCS configuration but are still plugged are removed from the gateways configuration to avoid wrong error messages.

Compatibility Notes

The LB/FB8x22x.1.EL has been qualified with

- SIMATIC PCS7 V9.0 + SP1
- SIMATIC PCS7 V9.1
- SIMATIC TIA Portal V15.1

The LB/FB8x22x.1.EL is compatible with following GSDML:

- Use without S2 redundancy feature:
 - GSDML-V2.33-PF-RIO-LBFB-20190718 or greater
 - GSDML-V2.2-PF-RIO-LBFB-20190718 or greater
- Use with S2 redundancy feature:
 - GSDML-V2.33-PF-RIO-LBFB-20220512 or greater
 - GSDML-V2.2-PF-RIO-LBFB-20220512 or greater

Additional Notes

- Firmware Version displayed as 1.3.4
- Recommended MRP timeout setting is $8 \cdot 32 \text{ ms} = 256 \text{ ms}$ (should be 200 ms according to Profinet specification).



- IO modules LB5x01, LB5x02, LB5x06: The Siemens TIA Portal shows a light blue rectangular and a black exclamation mark beneath the subplot of the corresponding IO module in the device overview. This is considered a bug of the TIA Portal that affects only presentation in the device overview and will not cause the signaling of an error.
- Peer MAC address is shown correctly in Proneta 2.4 and 2.7 but not in Proneta 2.5 and 2.6. This problem is considered a bug in Proneta.
- No range alarms for outputs are implemented.
- Restart device after setting Temporary IP address (factory reset): device starts with the last saved IP address and not with 0.0.0.0 address or with DHCP on.
- Not implemented yet: HARToverProfinet, Shared Device, Dynamic Reconfiguration

Software Details

Software Name: LB PROFINET Gateway LB8122A.1.EL
FB PROFINET Gateway FB8222B.1.EL

Release Version: V1.3.8.1492.

Release Date: September 29th 2023

Highlights

Connects LB/FB Systems to PROFINET Controllers.

Changes

- Added Shared Device, Dynamic Reconfiguration features.
- Improved HART performance
- Web page offers function to clear LOG files
- Enable access for DTM using iDTM FDI with FDI package for LB/FB Remote I/O
 - Observation for gateway in Online state (parameters + process data)
 - Parameterization for gateway in Offline state
- Change of behavior after re-parameterization
 - I/O outputs are holding last value now (previously: configured fault value)
 - Process data with IOPS set to bad behaving similarly
- Format of version on web page changed

Bug Fixes

None

Compatibility Notes

The LB/FB8x22x.1.EL has been qualified with



- SIMATIC PCS7 V9.0 + SP1
- SIMATIC PCS7 V9.1
- SIMATIC TIA Portal V15.1

The LB/FB8x22x.1.EL is compatible with following GSDML:

- Use without S2 redundancy feature:
 - GSDML-V2.33-PF-RIO-LBFB-20190718 or greater
 - GSDML-V2.2-PF-RIO-LBFB-20190718 or greater
- Use with S2 redundancy feature:
 - GSDML-V2.33-PF-RIO-LBFB-20220512 or greater
 - GSDML-V2.2-PF-RIO-LBFB-20220512 or greater
- Use with shared device and dynamic reconfiguration feature:
 - GSDML-V2.33-PF-RIO-LBFB-20230712 or greater
 - GSDML-V2.2-PF-RIO-LBFB-20230712 or greater

Additional Notes

- Firmware Version displayed as 1.3.8
- Recommended MRP timeout setting is $8 \cdot 32 \text{ ms} = 256 \text{ ms}$ (should be 200 ms according to Profinet specification).
- IO modules LB5x01, LB5x02, LB5x06: The Siemens TIA Portal shows a light blue rectangular and a black exclamation mark beneath the subplot of the corresponding IO module in the device overview. This is considered a bug of the TIA Portal that affects only presentation in the device overview and will not cause the signaling of an error.
- Peer MAC address is shown correctly in Proneta 2.4 and 2.7 but not in Proneta 2.5 and 2.6. This problem is considered a bug in Proneta.
- No range alarms for outputs are implemented.
- Restart device after setting Temporary IP address (factory reset): device starts with the last saved IP address and not with 0.0.0.0 address or with DHCP on.
- Not implemented yet: HARToverProfinet,

YOUR APPLICATION. OUR CHALLENGE.

PROCESS INTERFACES

- Intrinsically safe barriers
- Signal conditioners
- Fieldbus infrastructure
- Remote I/O systems
- HART interface solutions
- Level measurement
- Purge and pressurization systems
- Industrial monitors and HMI solutions
- Explosion protection equipment
- Wireless solutions
- Solutions for process interfaces

INDUSTRIAL SENSORS

- Proximity sensors
- Photoelectric sensors
- Industrial vision
- Ultrasonic sensors
- Rotary encoders
- Positioning systems
- Inclination and acceleration sensors
- AS-Interface
- Identification systems
- Logic control units



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