

## Release Notes

# pnGate DP/PA/PB

**Version 1.34**

**January 2024**

Product	Deliverable	Version	Date
pnGate DP/PA/PB	pnGate V1.34.zip	1.34	December 2024

## 1. New or enhanced features

- Provide an interface for ABB FIM to parametrize PA-Devices

## 2. Fixed issues

- #333 Converting PROFIBUS device description into PROFINET device description result in invalid GSDML
- #364 Little Endian expected, Big Endian received
- #371 SCP Header missing in HTML response
- #378 Security issue: Weak CipherUsed
- #429 Download of support data can lead to undefined behaviour of the device
- #439 Deadlock in handling of Implicit Read
- #591 GSD B756\_P20.gsd cannot be imported
- #592 Possible crash when importing big GSD files

Product	Deliverable	Version	Date
pnGate DP/PA/PB	pnGate V1.30.zip	1.30	March 2020

## 1. New or enhanced features

- New Hardware: pnGate DP
- S2 Redundancy
- Configuration in Run
- pnGate DP/PA/PB now certified by PI
- Improved usability of GSDML (replacement of FAP-modules, support GAP's between subslots)

## 2. Fixed issues

- #150 interrupted HTTPS connection during FW-Update, erasing of configuration
- #159 HTTPS request not responded
- #235 wrong <IOData> section in generated GSDML

Product	Deliverable	Version	Date
pnGate DP/PA/PB	pnGate V1.20.zip	1.20	September 2018

## 1. New or enhanced features

- SAC supports all gateway types
- Firmware supports all gateway types
- Quickstart Manual for different gateway types
- User Role management
- Easy Update
- Change network settings
- Reproducible Bootprocess
- pnGatePA / pnGatePB shall be supported by Search&Config
- General Robustness
- Security (CVE and known vulnerability)
- Release pnGate PB
- Enhanced GSDML generation
- Time Config NTP
- Profibus Event Log

## 2. Fixed issues

- #122 Return of Submodule alarm is sent before data are set to valid
- #127 Change of password is not by any password rule
- #132 Open an acyclic C2 Connection via DeviceServer with SlaveAdress greater 62 failed
- #138 Layer 2 (use token) request block not found

Product	Deliverable	Version	Date
pnGate DP/PA/PB	pnGate V1.10.zip	1.10	March 2017

## 1. New or enhanced features

- HW: HW production
- Licensing: Upgrade possible
- Asset Management: PDM support
- PB Functionality: Cyclic communication using Siemens tools
- Licensing: Upgrade possible
- PB Functionality: Connection up to 32 devices
- Upload license key file via webserver
- 2 kByte process data
- Last Test, Achilles Test
- User wants to receive all that is needed with the least number of interactions possible
- Enable device features
- Use FDT to configure/parameterize PA devices
- As a commissioning engineer I want to configure PA devices via Profinet
- As a commissioning engineer I want to use cyclic communication with PA devices via Profinet
- LEDs indicate data exchange Bus failure, System failure
- Engineer PA devices in Tia Portal
- Engineer PA devices in Step7

## 2. Fixed issues

- #105 Connection to PA device established by PROFIdtm cannot be reestablished after it was aborted
- #111 DHCP network mode does not work
- #112 Acyclic reading of I&M0 data causes a restart
- #119 DHCP / SAC Server issue

Product	Deliverable	Version	Date
pnGate DP/PA/PB	pnGate V1.00.zip	1.00	March 2016

## 1. New or enhanced features

- Easy FW Update
- Change network settings
- GSD to GSDML file converter
- Identification on the network and changing network settings
- Parametrization of PA devices
- Use FDT to configure/parameterize PA devices
- Configure PA devices via Profinet
- Use cyclic communication with PA devices via Profinet
- LEDs indicate data exchange Bus failure, System failure
- Engineer PA devices in Tia Portal
- Engineer PA devices in Step7

## 2. Fixed issues

- #52 The FG260 PN-PA proxy fails the Achilles test
- #48 PROFINET IO connection establishment
- #49 PROFINET online diagnosis read request causes an IO connection loss
- #50 The sample application does not accept a PA module
- #51 device is not shown in SAC gui
- #53 GSD-2-GSDML converter calculates wrong length of process data
- #54 A diagnosis is generated for one device which is in data exchange in the second PA segment