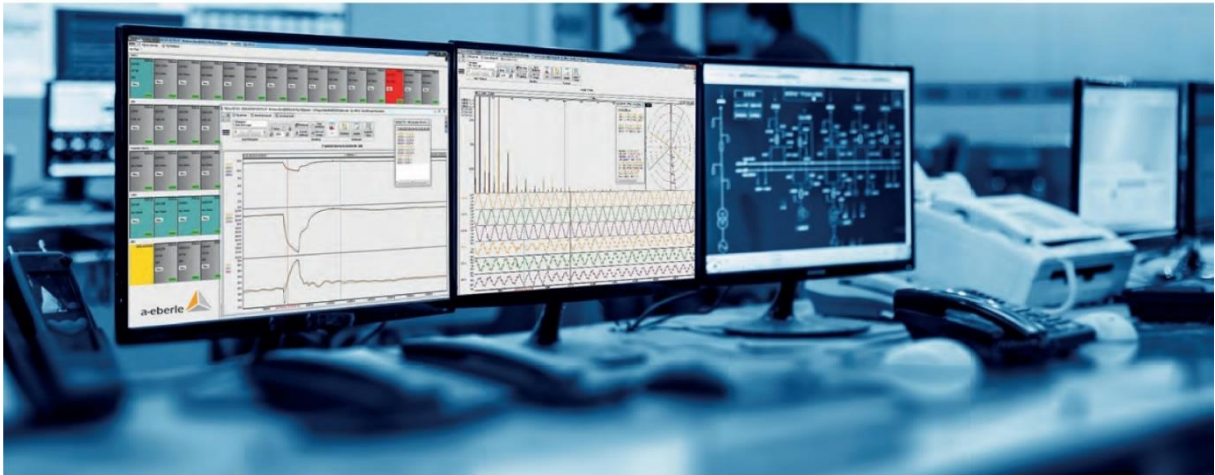


PQSys

Release Notes WinPQ

Version v5.2.6.7706 2021/02/05



Overview WinPQ Version 5.2.6

- Optimization of version 5.2.4
- New SSH-Module for improved secure connection and communication with PQ-Devices
Important note: Fingerprints (hashes) of the devices have to be reconfirmed!
- Generation of WinPQ clients improved

Recommended Firmware

PQI-D and PQI-DA

PQI-D with DSP 100 MHz

- 8 voltage inputs *Version 2.1.03 from 07.05.2014*
- 4 current- und 4 voltage inputs *Version 3.1.01 from 07.05.2014*

PQI-D with DSP 200 MHz

- 8 voltage inputs *Version 2.1.03 from 07.05.2014*
- 4 current- und 4 voltage inputs *Version 3.1.01 from 07.05.2014*

PQI-D with DSP 300 MHz

- 4 current- und 4 voltage inputs *Version 7.0.04 from 07.07.2015*

PQI-DA smart and PQI-DE

PQI-DA smart *Version 2.2.10*

PQI-DE *Version 2.2.10*

Security relevant contents

- New SSH-Module for improved secure connection and communication with PQ-Devices
Important note: Fingerprints (hashes) of the devices have to be reconfirmed!
- Improvements of the IT-Security features (see release notes of the devices)

News and features

- Optimization of version 5.2.4

Improvements and fixes

- Improvements in database backup
- Error when removing of old faults records during database cleanup fixed
- new parameter PROXY for device communication via proxy server
- small bug fixes and improvements

Overview WinPQ Version 5.2.4

- Optimization of version 5.2.2
- Problems with DMR-D connection fixed
- Improved update routines and fixed errors when updating from versions smaller than 5

Recommended Firmware

PQI-D and PQI-DA

PQI-D with DSP 100 MHz

- 8 voltage inputs *Version 2.1.03 from 07.05.2014*
- 4 current- und 4 voltage inputs *Version 3.1.01 from 07.05.2014*

PQI-D with DSP 200 MHz

- 8 voltage inputs *Version 2.1.03 from 07.05.2014*
- 4 current- und 4 voltage inputs *Version 3.1.01 from 07.05.2014*

PQI-DA smart and PQI-DE

PQI-DA smart *Version 2.2.8*

PQI-DE *Version 2.2.8*

Security relevant contents

- Improvements of the IT-Security features (see release notes of the devices)

News and features

- Optimization of version 5.2.2

Improvements and fixes

- Problems with DMR-D connection solved
- Wrong timestamps fixed
- Problems with PQStart after an update fixed
- Improved update routines and fixed bug when updating from smaller version than 5
- small bug fixes and improvements

We take care of it.



Overview WinPQ Version 5.2.2

- Optimization of version 5.2.1
- Setting storage duration log files
- Addition of the time selection option one day in the long-term measurement data

Recommended Firmware

PQI-D and PQI-DA

PQI-D with DSP 100 MHz

- 8 voltage inputs *Version 2.1.03 from 07.05.2014*
- 4 current- und 4 voltage inputs *Version 3.1.01 from 07.05.2014*

PQI-D with DSP 200 MHz

- 8 voltage inputs *Version 2.1.03 from 07.05.2014*
- 4 current- und 4 voltage inputs *Version 3.1.01 from 07.05.2014*

PQI-DA smart and PQI-DE

PQI-DA smart *Version 2.1.8*

PQI-DE *Version 2.1.8*

Security relevant contents

- Improvements of the IT-Security features (see release notes of the devices)

News and features

- Setting Log file storage duration
- Addition of the time selection option one day in the long-term measurement data

Improvements and fixes

- Improvements of the automatic COMTRADE export incl. e-mail sending
- Optimization of the binary track display in long-term measurement data and fault records
- Improved error handling of the SQLite database
- Adaptation of the event analysis for parameterization of *3 conductor system*

We take care of it.



We take care of it.

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Release Notes WinPQ

Version 5.2.1.7468 2020/06/12



Overview WinPQ Version 5.2.1

- Parameterization of the triggers of the binary inputs of the PQI-DE
- Support of the temperature channel PQI-DE
- New language Italian in WinPQ lite

Recommended Firmware

PQI-D and PQI-DA

PQI-D with DSP 100 MHz

- 8 voltage inputs *Version 2.1.03 from 07.05.2014*
- 4 current- und 4 voltage inputs *Version 3.1.01 from 07.05.2014*

PQI-D with DSP 200 MHz

- 8 voltage inputs *Version 2.1.03 from 07.05.2014*
- 4 current- und 4 voltage inputs *Version 3.1.01 from 07.05.2014*

PQI-DA smart and PQI-DE

PQI-DA smart *Version 2.2.0*

PQI-DE *Version 2.2.0*

Security relevant contents

- Improvements of the IT-Security features (see release notes of the devices)

News and features

- Parameterization of the triggers of the binary inputs of the PQI-DE
- Support of the temperature channel PQI-DE
- New language Italian in WinPQ lite
- Detection of incompatible firmware versions of PQ devices
- New MySQL database version 5.7.29

Improvements and fixes

- Improvements of the system messages
- Problem with database backup fixed
- Many smaller improvements and bugfixes

We take care of it.



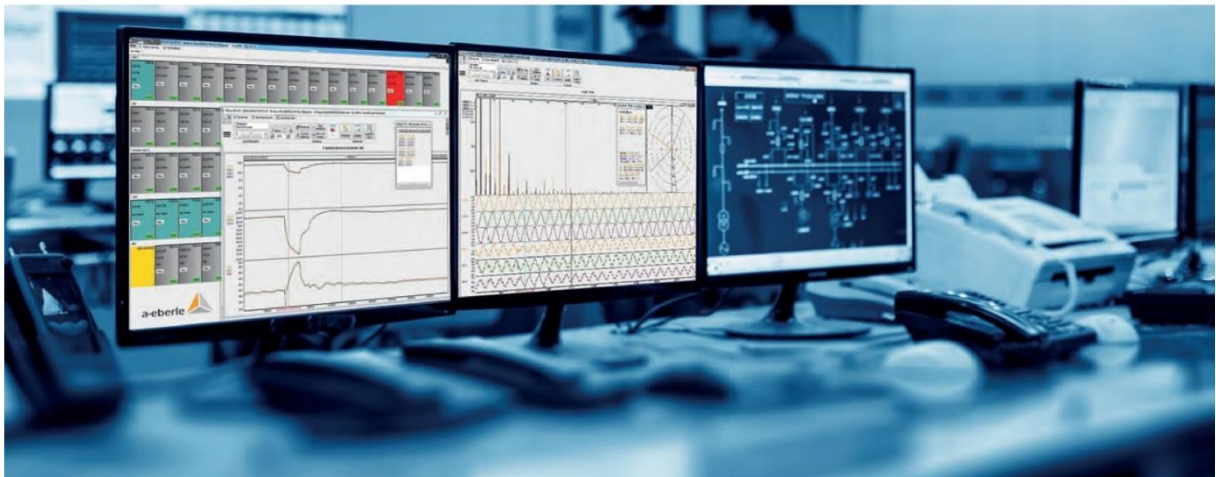
We take care of it.



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Release Notes WinPQ

Version 5.1.0.7383 2020/03/20



Overview WinPQ Version 5.1.0

- IT-Security features and support of PQI-DE and PQI-DA smart firmware version 2.0 and higher
- Improvements of the import- and export interfaces/formats PQDif and COMTRADE

Recommended Firmware

PQI-D and PQI-DA

PQI-D with DSP 100 MHz

- 8 voltage inputs *Version 2.1.03 from 07.05.2014*
- 4 current- und 4 voltage inputs *Version 3.1.01 from 07.05.2014*

PQI-D with DSP 200 MHz

- 8 voltage inputs *Version 2.1.03 from 07.05.2014*
- 4 current- und 4 voltage inputs *Version 3.1.01 from 07.05.2014*

PQI-DA smart and PQI-DE

PQI-DA smart *Version 2.1.6*

PQI-DE *Version 2.1.6*

Security relevant contents

- Improvements of the IT-Security features (see release notes of the devices)

News and features

- New MySQL database version 5.7.29
- Display and storage of the temperature channel data PQI-DE
- Improvements of the import and export interfaces/formats PQDif and COMTRADE
- Support of the binary channels PQI-DE

Improvements and fixes

- Language files updated
- Improvements of the system messages
- Many smaller improvements and bugfixes

We take care of it.



We take care of it.

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Release Notes WinPQ

Version 5.0.0.7262 2019/11/19



Overview WinPQ Version 5.0.0

- IT-Security features according to BDEW Whitepaper (MySQL 5.7.16 required)
- Support of PQI-DE and PQI-DA smart firmware version 2.0 and higher
- Recommendation of a complete system backup before updating the software

Recommended Firmware

PQI-D and PQI-DA

PQI-D with DSP 100 MHz

- 8 voltage inputs *Version 2.1.03 from 07.05.2014*
- 4 current- und 4 voltage inputs *Version 3.1.01 from 07.05.2014*

PQI-D with DSP 200 MHz

- 8 voltage inputs *Version 2.1.03 from 07.05.2014*
- 4 current- und 4 voltage inputs *Version 3.1.01 from 07.05.2014*

PQI-DA smart and PQI-DE

PQI-DA smart *Version 1.8.14 and 2.1.0*

PQI-DE *Version 2.1.0*

Security relevant contents

- Completion of commissioning of devices with active safety mode (available from firmware version 2.0)
- Support and setup of role-based access control (RBAC) for devices with firmware version 2.0 or higher
- Secure device communication SSH with AES-256 encryption of device connections, authentication at the device via ECDSA, ECDH key exchange, verification of data authenticity and data integrity with SHA2-512-HMAC (Firmware version 2.0 and commissioning of the device in safety mode necessary)
- Database connection encryption with TLS when using MySQL version 5.7.18 or higher
- Secure storage of credentials (SMTP server credentials, credentials databases and device access) in an AES-256 encrypted SQLite database
- Devices with active security mode can only be added on the WinPQ Server system not on WinPQ Clients!
- Devices with active security mode cannot be updated with the firmware update function of many devices!
- Security Documentation for Entire PQ System

News and features

- New demo data with 4 PQI-DA smart and 4 PQI-D devices
- Redundant WinPQ system with database replication (extra commissioning required)
- New EN event Report Network overview with history clearly shows changes in voltage quality over longer periods of time
- Windows authentication support for Microsoft SQL databases (optional)
- Documentation (commissioning instructions and manual) completely revised
- Event evaluation immediately increased by 1 per interval/fault type Event counter (so far several events per interval possible, e.g. violations of harmonic limit values, and thus more events than intervals possible)Improvements and fixes
- Improved handling and error handling of background programs.
- Improvements in system messages.
- Many improvements and bug fixes (over 350 processed tickets)

Improvements and fixes

- Improved handling and error handling of background programs.
- Improvements in system messages.
- Many improvements and bug fixes (over 350 processed tickets)

We take care of it.



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