RELEASE NOTE

Release Note

iQunet Software Versions 1.6.x

RELEASE NOTE

Update log

Version 1.6.12 - November 2021

Improvements

- The **Sensor Performance Survey** pane design has been improved further.

Version 1.6.11 - November 2021

Features

You can now:

- Use the new **Sensor Performance Survey** pane for quick troubleshooting of the sensors and the system or to calculate KPIs (like for example the ratio of the number of captures above the threshold per day versus the number of downloads per day). The new Survey pane shows the number of connections to the sensor made per hour, the number of daily captures and the number of daily downloads in a graph.

Version 1.6.10 - November 2021

Features

You can now:

- Read out 3 **new OPC UA nodes** for quick troubleshooting of the system:
  - *daySum* (underneath the *captureHistogram* node): the **number of sensor measurements** (recorded internally by the sensor),
  - *daySum* (underneath the *accelerationPack* node): the **number of downloads** (recorded measurements downloaded to the iQunet Server),
  - and *hourSum* (underneath the *lastseen* node): the **number of connections** made to the sensor per hour.

Improvements

- **Overall performance** has been improved by implementing a brand-new internal engine.

Version 1.6.9 - October 2021

Improvements

- Overall **performance** has been optimized.

Version 1.6.6 - October 2021

Improvements

- An optimization has been performed for the **disk IO**.

Fixed issues

- The **USB driver** version has been downgraded due to a bug in the latest version.

RELEASE NOTE

Version 1.6.5 - October 2021

Features

You can now:

- Limit the **export size** of the “Data Explorer” export function. In the default case, the newest 1024 samples will be extracted as a .csv file. In this way, the size of the exported .csv files can be limited.

Version 1.6.4 - September 2021

Fixed issues

- The bug causing the **Base Station icon** to turn grey has been resolved.

Version 1.6.3 - September 2021

Features

You can now:

- Use the **new threshold functionality** in the “Download Filter” section. If the threshold is set to “none”, the sensor data will always be downloaded. If the threshold is set to a setting other than “none”, the measurement will only be downloaded if the calculated measurement peak power level is higher than the set threshold. In this way the system will only download valuable measurements and drop idle measurements based on historical data (the last 50 captured measurements) freeing the wireless channel.
- Try multiple times to capture a valuable (not idle) measurement. Set the **retry level** to more than “1x” to extend the regular measurement interval with several capture retries. After the regular measurement interval period has elapsed, a measurement will be recorded and compared to the set threshold level every “measurement interval/number of retries” seconds. If the measurement peak power level is higher than the threshold, the complete measurement will be downloaded, and the sensor will wait for the complete measurement interval period to start a new measurement. If the peak power level is lower, a new measurement will be captured every “measurement interval/number of retries” seconds until the threshold level is exceeded.

Version 1.6.2 - September 2021

Improvements

- Graphical optimizations have been performed.

Version 1.6.1 - September 2021

Improvements

- **RSSI values** are now updated automatically approximately every 15 minutes instead of only when the device is manually selected in the “Connected Devices” list.

RELEASE NOTE

- The timeout for the loading of the **database table details** in the “Storage Manager” section has been increased as to suit larger databases.

Fixed issues

- The bug creating large **error log files** has been solved.
- Missing **GraphQL parameters** have been readded to stay compatible with previous versions.

Version 1.6.0 - September 2021

Features

You can now:

- Use the iQunet system in combination with the **Chinese wireless frequency bands**.
- Use the Sensor Dashboard to monitor the **iQunet Vibration Sensors** with the newest hardware and firmware versions.

Improvements

- The complete **sensor management** system has been adapted.
- GraphQL parameters **hpf** and **prefetch** have been removed since they are no longer in use.

Related Documents

- iQunet 1.6.x Software User Manual-D1418-en-CUST-220301
- iQunet OPC UA User Manual-D1042-en-CUST-220906