

# PQ Advisor Premium

## Product Sheet and Specific Terms



**SIEMENS**

PQ Advisor Premium is a cloud-based application which enables power grid operators to monitor the power quality status of their grids using SICAM Q100 and SICAM Q200 power quality recorders to optimize the power quality and reduce operational expenditure (OPEX).

### Prerequisites

Subscription	A valid MindAccess IoT Value Plan (Small/Medium/Large) subscription is required.
Hardware	This application is only compatible with data provided by SICAM P855, SICAM Q100 and SICAM Q 200 power quality recorders. For SICAM P855 the minimum hardware revision is /CC For SICAM Q100 the minimum hardware revision is /DD
Software	The minimum required firmware version to enable communication with your MindSphere Account depends on the power quality recorder type: <ul style="list-style-type: none"> <li>• For SICAM P855 the minimum firmware version is V2.61</li> <li>• For SICAM Q100 the minimum firmware version is V2.10</li> <li>• For SICAM Q200 the minimum firmware version is V2.50</li> </ul>
Operating systems and web browsers	PQ Advisor Premium is a web-based application specifically optimized for use on Desktop PCs or tablets running Google Android or Apple iOS operating systems. The application requires at least Android 7.0 or iOS 12.2 (for tablets) and a recent version of Google Chrome, Apple Safari, Mozilla Firefox or Opera.

### General

PQ Advisor Premium	This application is available in different sizes (Small/Medium/Large). You are only authorized to use the application in accordance with the size to which you hold a valid subscription. The application can be accessed through the MindSphere Launchpad.
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## Size Overview

PQ Adviso Premium	Small	Medium	Large
Maximum number of SICAM power quality recorders	50	250	1000
Authorized limits	Should the actual usage of your application size repeatedly exceed one or more of the applicable limits above (e.g. the maximum number of SICAM power quality recorders for your application size), and should you not order the appropriate increase of usage capacities for an additional fee, we reserve the right to suspend the Service. Other contractual rights and remedies remain unaffected.		

## PQ Advisor Premium – Features

Dashboard	Shows power quality data from SICAM power quality recorders. The dashboard is user configurable. The User can select which power quality recorder is shown in each widget. Additionally, value limits for each widget can be configured. These limits then trigger color code indicators that help focusing on the most relevant power quality issues.
PQ Events Dashboard	Shows a timeline diagram of the power quality events detected by the connected SICAM power quality recorders for a configurable time frame. Additionally, the result of the grid code evaluation according to EN 50160 grid code is displayed.
Measurements	Shows the user selected measurement data of the connected power quality recorders in a timeline diagram. Measurement data from different power quality recorders can be displayed in the same diagram for comparison. The displayed time range can be selected.
Energy Monitoring	Shows the aggregated energy consumed within a measurement and verification boundary. The hierarchy of boundaries can be individually created. Onboarded SICAM power quality recorders can be assigned to the measurement and verification boundaries and the aggregation interval can be selected.
Application permissions	<p>This application is operated in data centers in Germany and processes the following data:</p> <ul style="list-style-type: none"> <li>• Time series data which includes the variables received from a device within defined continuous time cycles.</li> <li>• Device configuration data which describes the device (e.g. device name, location).</li> </ul> <p>This application performs the following activities which modify or amend Your Content in your MindAccess Account on your behalf:</p> <ul style="list-style-type: none"> <li>• Read uploaded device data from your data repository to evaluate and process certain information presented in different views in this application itself. This data will be stored to show the processed values in the different application views.</li> </ul>

## Specific Terms

Subscription Term, termination for convenience	Subscription Term for this application is 1 month with automatic renewal. The Subscription Term ends with termination by you or us. You may terminate your subscription to this application for convenience with effect to the end of a month by giving us at least 60 days prior notice. We may discontinue the operation of the application by giving you at least 60 days' notice prior to the planned discontinuation date.
Payment terms	The fee for the available application sizes is charged monthly in advance.
Service Level Agreement	The Monthly Uptime Percentage for this application is at least 90%. Monthly Uptime Percentage is defined in the MindSphere Supplemental Terms available on <a href="http://www.mindsphere.io/terms">www.mindsphere.io/terms</a> .
Data use rights	<p>During and after the term of the agreement, Siemens and its business partners may use Collected Data for Siemens' internal purposes, e.g. development and improvement of products and services. Use of Collected Data in accordance with this Section will be at Siemens' risk.</p> <p>"Collected Data" means the following data collected by this application: Time series data relating to device operation and configuration. You acknowledge that Collected Data may include copies made by the application from certain parts of Your Content for use in accordance with this Product Sheet &amp; Specific Terms.</p>
Third Party Terms	<p>The application contains Third Party services, including open source software, commercial software, or software-related managed services, which are subject to additional or different terms, license rights, or require certain notices by their licensors, which we are obliged to pass on to you as your licensor and to which you agree to abide ("Third Party Terms"). The Third Party Terms are made available via the following web link: <a href="https://sie.ag/MindSphere-ThirdParty_PQAdvisorPremium">https://sie.ag/MindSphere-ThirdParty_PQAdvisorPremium</a>.</p>
Changes to the Product Sheet and Specific Terms	We may update this document from time to time during a Subscription Term in order to reflect any changes agreed with or imposed by our subcontractors (including changes in open source software license terms) or when we introduce new features, supplements, enhancements or capabilities (e.g. that were not previously included with the subscription, but added for no additional fee). Changes shall become binding upon release of a new version of this document on <a href="http://www.mindsphere.io/terms">www.mindsphere.io/terms</a> .
Support	<p>Support for this application is available 24 hours a day in English and German. Support requests can be addressed to the Customer Support Center (CSC) of Siemens:</p> <p>Phone : +49 180 524 7000          Fax : +49 180 524 2471          E-Mail : <a href="mailto:support.energy@siemens.com">support.energy@siemens.com</a>          For more information, refer to <a href="http://www.siemens.com/csc">http://www.siemens.com/csc</a>.</p>

## Export Control Regulations

AL	N
ECCN	N

## Security Information

Secured IoT connectivity

A secured communication channel is established from the SICAM power quality recorder to MindSphere. The TLS (Transport Layer Security) protected communication uses state-of-the-art security mechanisms, e.g. by use of X.509 certificates signed by your own Certification Authority (CA). The certificate of your own Certification Authority (CA) needs to be assigned to your MindAccess IoT Value Plan to ensure that IoT data received from your SICAM power quality recorder is correctly stored in your data repository.

General

In order to protect substations, systems, machines and networks against cyber threats, it is necessary that you implement a holistic, state-of-the-art substation security concept and continuously maintain the same. For more information, refer to [www.siemens.com/gridsecurity](http://www.siemens.com/gridsecurity).

## Definitions

General

All capitalized terms in this document shall have the meaning given to them in the MindSphere Agreement.