

SITRANS Store IQ Package

Product Sheet



The SITRANS IQ product family has the principal idea of connecting the field to the cloud at minimal costs and providing the data for further value adding apps.

One of these apps is called SITRANS Store IQ and offers a monitoring solution which can reduce uncertainty about the actual stock levels and provides the data basis to manage inventories properly, preventing you from running out of material and allowing optimization of the supply chain processes. Other possible uses include the monitoring of process values along the value chain to e.g., ensure quality. SITRANS Store IQ provides structuring, visualization and alarming functionality.

The SITRANS Store IQ Package consists of the MindSphere application SITRANS Store IQ and selected MindSphere Resources which are required to access the Platform and to utilize the application.

Prerequisites	
Connectivity	<p>To use the SITRANS Store IQ application, your devices must be connected to the Platform. For example, you can choose one of the following connectivity solutions:</p> <ul style="list-style-type: none"> • SIMATIC RTU30xxC, such as RTU 3041c • MindConnect hardware elements such as MindConnect IoT2040 or MindConnect Nano • MindConnect software elements such as MindConnect Library or S7-1500 FB, or • SIMATIC IoT2040 with SIWAREX IoT software. <p>Connectivity is not part of our Offering. It is your responsibility to select, procure, configure, onboard, and operate such connectivity solutions.</p>
Web browser	<p>An HTML5 capable Internet browser with a screen resolution of 1920x1080 or higher is required (e.g. Google Chrome or Microsoft Edge). Google Chrome is recommended. Mobile devices are supported as well by using HTML5 capable Internet browsers.</p>
Instrumentation from Siemens Measurement Intelligence	<p>The application supports Instrumentation from Siemens Measurement Intelligence. You are solely responsible for the selection, configuration, and onboarding of your Instrumentation to the Platform.</p>
Data access	<p>To access and use the application, data stored in your existing Account (e.g. Base Environment or MindSphere Capability Package Account) may be accessed by the application.</p>

Description of SITRANS Store IQ application

Main functionalities

Major functionalities of this application are:

- Read in measurements e.g., of fill level of inventory storage units like silos, tanks, or bins.
- Derive values like volume or weight out of the measurements.
- Structure such measurements in a customizable way to reflect the structural organization of the User.
- Navigate through the application via structure tree and map views.
- Visualize readings via lists, icons, graphs.
- Create and manage alarms and notifications via SMS or email.

Description of MindSphere Resources

The following MindSphere resources (“MindSphere Resources”) are included in the SITRANS Store IQ Package or its extensions. These have been selected to ensure proper operation of SITRANS Store IQ application.

Base Environment

The Base Environment provides you with a dedicated Account (also referred to as “Environment”) on MindSphere. It enables you to login to your Account via the respective URL provided by us and is required for use of the application and MindSphere Resources.

The Base Environment includes 1 Admin User and provides you with the following administration tools available on the MindSphere Launchpad:

- Usage Transparency: provides information regarding your consumption of MindSphere Resources.
- Agent Diagnostic: allows you to activate and deactivate agent logfiles and to access them.
- Settings: allow managing Users, permissions, rights, roles, groups, Collaborations, and environment provider information. For every User, an individual login is required. Access policies are available only upon request. MindSphere sales representative or MindSphere Support to be contacted to enable use of access policies.
- Asset Manager: use Asset Manager to onboard & offboard agents to your Account; to configure assets, asset types and aspect types; to manage the Sharing of assets under a Collaboration between Accounts using Cross-Tenancy.
- Upgrade: can be used to order available upgrades (incl. add-ons) to already Offerings; to get an overview of requested and completed upgrades; to manage pending upgrade requests (authorized Users only).

The Base Environment provides you with the following connectivity “Connect your Things” capabilities as well:

- To connect assets using own PC as a gateway with MindConnect Software Agent.
- To connect individual hardware using MindConnect API services, MindConnect MQTT Services, MindConnect OPC UA PubSub Services and MindConnect Library.
- To use MindConnect Hardware e.g., MindConnect Nano, MindConnect IoT2040, MindConnect IoT2050.
- Zero touch onboarding using MindConnect OPC UA PubSub Services and MindConnect MQTT Services.
- To maintain connected devices by using MindConnect Device Management Services.
- For more information regarding Connect your Things capabilities, please refer to the Product Sheet for MindSphere Capability Packages available at <https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets>.

Additional MindSphere Resources	<p>In addition to the Base Environment, the following MindSphere Resources are included in the SITRANS Store IQ Package and its extensions:</p> <ul style="list-style-type: none"> • Asset Attributes • File Storage • Notifications Email • Notifications SMS • Time Series Data Ingest Rate • Time Series Data Storage • Users <p>For general descriptions of the MindSphere Resources listed above, please refer to the MindSphere Glossary: https://documentation.mindsphere.io/MindSphere/glossary.html.</p>
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Pricing Model	
Application subscription	SITRANS Store IQ Package Base
	See Order ¹
Billing cycle	Full amount in advance
SITRANS Store IQ application	✓
Base Environment ²	✓
Asset Attributes	100 ³
Time Series Data Ingest Rate	0.05 KB/s ⁴
Time Series Data Storage	1 GB
Notifications Email	1 000 Email Notifications
Users	100
According to your specific configuration, the required number of the above mentioned MindSphere Resources might differ.	
Extension (for MindSphere Resources)	SITRANS Store IQ Package Asset Attributes Extension
	See Order ¹
Billing cycle	Full amount in advance
Asset Attributes	100 additional Asset Attributes
Time Series Data Storage	1 GB additional Time Series Data Storage
Time Series Data Ingest Rate	0.03 KB/s additional Time Series Data Ingest Rate
Extension (for MindSphere Resources)	SITRANS Store IQ Package Data Ingest Extension
	See Order ¹
Billing cycle	Full amount in advance
Time Series Data Ingest Rate	0.10 KB/s additional Time Series Data Ingest Rate
Extension (for MindSphere Resources)	SITRANS Store IQ Package Data Storage Extension
	See Order ¹
Billing cycle	Full amount in advance
Time Series Data Storage	5 GB additional Time Series Data Ingest Rate
Extension (for MindSphere Resources)	SITRANS Store IQ Package Notification Extension
	See Order ¹

Billing cycle	Full amount in advance
Notifications Email	1 000 additional Email Notifications
Notifications SMS	25 additional SMS Notifications
Extensions (for Third-Party Resources)	
<p>Call Notifications may be offered in/for certain countries. Offered Call Notifications are provided as Third-Party Technology. Please see Third-Party Terms section.</p> <p>Call Notifications may be blocked, delayed or prevented from being delivered by reasons outside of our control and there is no warranty that the Call Notifications will be uninterrupted, secure or error free or that calls will reach their intended destination during any stated timeframe.</p> <p>For the avoidance of doubt, Siemens may discontinue this service without prior notice at any time.</p> <p>¹⁾ Subscription-based pricing is set forth in the Order; ²⁾ You can decide if a Base Environment shall be created and provisioned to you as part of your SITRANS Store IQ Package Base subscription or if the SITRANS Store IQ Package Base (without a Base Environment) shall be added to an existing Account (Base Environment or MindSphere Capability Package Account). A Package can only be added to an existing Account if the Account and Package are hosted in the same data center location. If you decide to add various Packages to one existing Account, please note the following: The MindSphere Resources included in the various Packages will be combined under one Account; it is your responsibility to allocate the MindSphere Resources to the various Packages according to your needs. The combination of MindSphere Resources under one Account may lead to technical limitations in their accessibility https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/technical-limitations; ³⁾ Depending on the configuration of e.g., the transmitter and/or gateway, single or multiple Asset Attributes are being used by SITRANS Store IQ application; ⁴⁾ Equals an update of up to 30 Asset Attributes approximately every five minutes.</p>	

Customer Requirements in relation to MindSphere Resources

Requirement from customer	Effect on required number of Asset Attributes	Effect on required Time Series Data Ingest Rate	Effect on required Time Series Data Storage
Increase number of measurements	Increase	Higher rate required	Increase
Consideration of complex tank geometries	Increase ¹⁾	Higher rate required	Increase
Increase frequency of data capture	None	Higher rate required	Increase
Increase storage (extend duration of stored data)	None	None	Increase

¹⁾ Using the features of SITRANS Store IQ application for e.g., for tank monitoring, each measurement might consume over 32 Asset Attributes.

General

Subscription Term	<p>The standard Subscription Term for SITRANS Store IQ Package Base is 12 or 36 months. The Subscription Term shall automatically renew if stated in the Order. Siemens reserve the right to</p> <ul style="list-style-type: none"> • discontinue the SITRANS store IQ app with a 12 months' notice, • replace the SITRANS store IQ app with a different app that is similar but not identical in functionality.
Co-term (renewal and termination)	<p>The Subscription Term for extensions will be co-termed with the Subscription Term of the application and therefore can be shorter than the standard Subscription Term.</p> <p>If an application subscription is terminated, the associated extensions will also be terminated at the same time.</p>
Payment terms	<p>The subscription fee for SITRANS Store IQ Package Base and for any of the extensions described herein are fully charged in advance for the entire Subscription Term unless otherwise expressly provided in an Order.</p>
Service Level Agreement	<p>The Monthly Availability for this application is 95%. Monthly Availability is defined in the Cloud Support and Service Level Framework available at https://www.siemens.com/sw-terms/sla.</p>

Third-Party Terms	<p>The Third-Party Terms for SITRANS Store IQ application are made available via the following web link: https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/Third-Party-Terms.</p> <p>To offer you certain location-based functions, we may use “Google Maps” (e.g., to display the asset’s position or to let you obtain directions to your local Siemens point of contact). When you use Google Maps in a country of the European Economic Area or Switzerland, your personal data will be processed by Google Ireland Ltd., Gordon House, Barrow Street, Dublin 4, Ireland, otherwise by Google LLC, 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA (each referred to as “Google”). The processed personal data may include, inter alia, your device’s IP address and your location. Location data can only be processed if you granted permission to access, or actively provided your location data within the SITRANS Store IQ application.</p> <p>The data controller responsible for the processing of your personal data in connection with Google Maps is Google; Google’s Privacy Notice can be found at https://www.google.com/policies/privacy.</p> <p>The Call Notification functionality is a Third-Party service provided under the following Third-Party terms: https://aws.amazon.com/service-terms/.</p>
Support	<p>Support is available in English via email de-l.operations.us@siemens.com. Hours of operation are Monday through Friday, 8:00 am to 5:00 pm EST (USA) – excluding national and local holidays of the US.</p>

Export Control Regulations	
Applicable for SITRANS Store IQ application and MindSphere Resources.	
AL	N
ECCN	N

Security Information	
General	To protect plants, systems, machines and networks against cyber threats, it is necessary that you implement and continuously maintain a holistic, state-of-the-art industrial security concept.

Definitions	
Siemens Measurement Intelligence devices	Siemens Measurement Intelligence devices allow you to generate parameters such as level, distance, volume, weight, and percentage (of tank capacity). E.g. level and distance can be directly provided by a level transmitter; volume could be a calculation out of a PLC which is consuming a level transmitter measurement and calculating the volume; weight could be the net weight delivered from a Siemens SIWAREX module.
General	Unless indicated otherwise, capitalized terms used in this document shall have the meaning given to them in this Product Sheet or elsewhere in the Agreement. You may also want to check our Glossary .