MindAccess
IoT Value Plan
Product Sheet

MindAccess IoT Value Plan provides you with an Account to your own resources on MindSphere.
Store data, configure assets, users and rules and use applications from the Store, for your end use or for the purpose of providing a service or application to others.

Prerequisites	
Web browser	A HTML5 capable Internet browser is required (e.g. Mozilla Firefox, Google Chrome or Microsoft Internet Explorer). The recommended screen resolution is 1024x768 or higher.
Internet connection	The bandwidth of your Internet connection will determine your experience of the performance of the Services.
Data import	Import data to your Account through use of our designated MindSphere APIs. This can be done e.g. by using MindConnect Nano from Siemens or agents from third parties.

MindAccess IoT Value Plan	
Access to your Account	MindAccess IoT Value Plan provides you with a dedicated Account on MindSphere. You can log in into your Account via the respective URL provided by us.
General	Different sizes of MindAccess IoT Value Plan are available (Small/Medium/Large). You are only authorized to utilize the Plan size to which you hold a valid subscription.

MindAccess IoT Value Plan – Size Overview

	Small	Medium	Large
Productive tenant	✔	✔	✔
Access to the Store	✔	✔	✔
Fleet Manager incl. rules and events[1]	✔	✔	✔
Cross-Tenancy[2]	✔	✔	✔

[1] One active concurrent rule included in all Plan sizes; [2] Each shared asset via Cross-Tenancy leads to one used asset instance for the receiving tenant.

MindAccess IoT Value Plan – Authorized Limits

Should the actual usage of your Plan size repeatedly exceed one or more of the applicable limits below (e.g. the number of Users for your Plan 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.

	Small	Medium	Large
Users	50	150	500
Subtenants	10	40	80
Asset types	5	10	50
Asset instances	50	250	1 000
Connected Agents[1]	10	25	100
Time series data ingest rate[2, 3]	2 KB/s	10 KB/s	100 KB/s
Time series data storage volume[2]	60 GB	300 GB	3 TB
MindConnect IoT Extension data ingest volume[4, 5]	5 GB/month	5 GB/month	5 GB/month
File storage	50 GB	100 GB	500 GB

[1] Assets connected via MindConnect IoT Extension are not counted as Agents. Each connected Agent leads to one used asset instance; [2] Includes data ingested via MindConnect IoT Extension; [3] Data ingest is based on number of assets, number of variables per asset, size per variable, read cycle interval, sending frequency and overhead. Example: The 10 KB/s of an M Plan could be reached by 200 assets with 10 variables, each sending frequency 10s, 20 assets with 100 variables, each sending frequency 10s. Underlying assumptions: 50 Bytes per variable including transport layer overhead – data type float as provided by MindConnect Nano, IoT2040 and S7-FB; read cycle equals sending frequency; [4] Time series data storage volume and ingest rate apply; [5] Not applicable to MindAccess IoT Value Plan Small (Trial).

MindAccess IoT Value Plan – Tools and other Services

General	The following administration tools are available on your MindSphere Launchpad: • Usage Transparency • Settings • Asset Manager • Upgrade[1]

Usage Transparency	Usage Transparency provides information regarding your resource consumption, e.g. • Number of Users • Inbound and outbound traffic
Settings	Settings allow managing Users, permissions, rights, roles, subtenants and tenant provider information. For every User, an individual login is required. Users are also permitted to access and utilize the user management for the purpose of receiving a service from you. However, a user that receives a service from you shall not be granted with administration rights, except for administration rights that are offered by the user management of a subtenant. See also "*Specific Terms for MindAccess IoT Value Plan"* if you want to use the MindAccess IoT Value Plan for the purpose of providing MindSphere-based services to others.
Asset Manager	Use Asset Manager to: • Onboard & offboard Agents to your Account. • Configure assets, asset types and aspect types. The User that is entitled to administrate the Asset Manager may permit users of a subtenant who receive a service from you to directly access the Asset Manager in relation to the respective subtenant.
Upgrade[1]	Use Upgrade to: • Order available upgrades to your subscribed Services (e.g. increase Users or Agents). • Get an overview of your requested and completed upgrades. • Manage pending upgrade requests (authorized Users only).
Other Services as part of MindAccess IoT Value Plan	Your subscription to MindAccess IoT Value Plan also includes access and the use of other Services made available to you. Such Services may be subject to specific terms and conditions that are set out in the MindSphere Supplemental Terms. This includes e.g. the Fleet Manager and MindConnect IoT Extension. The MindSphere Supplemental Terms form part of your agreement with us. When we introduce new features, supplements, enhancements, capabilities or Services (e.g. that were not previously included with the subscription to your MindAccess IoT Value Plan but are added at no additional fee), we may make updates to the MindSphere Supplemental Terms that apply to your use of these new features, supplements, enhancements, capabilities or Services. Please review the MindSphere Supplemental Terms before using a Service that is not described in this Product Sheet.

[1] As of the date of release of this Product Sheet, the administration tool Upgrade is only available in relation to a MindAccess Account on the MindSphere infrastructure provider Amazon Web Services.

Security Information for MindAccess IoT Value Plan

Access credentials	Authentication and authorization on User level based on user name and password.

General	In order 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.

Export Control Regulations

AL	N
ECCN	EAR99

Definitions

Asset	An asset is the logical representation of a thing which can be a machine or an automation system with a single or multiple automation unit(s) e.g. PLC or even a factory site. Assets are defined using an asset type.
Asset type	Asset type describes the type of an asset (e.g. a generic motor) including one or several attributes. An asset type is a template that describes the attributes of a homogenous group of physical or logical assets. Used for asset modeling. An asset type is a grouping of assets with common characteristics that distinguish those assets as a group or class.
Asset instance	Asset instance reflects a physical and/or logical device within your Account, e.g. a specific motor within a factory would be an asset instance. Each instance belongs to an asset type.
Agent	An Agent is a field device or software application which you connect to your Account (e.g. MindConnect Nano or a third party agent). Each Agent can ingest data into your Account and send data from one or more asset instances. The number of Agents equals the number of parallel data ingest channels. The data points that are ingested into the Account are associated to asset instances.
Fleet Manager	Fleet Manager provides an overview of your assets configured in a respective Account, and allows you to search and filter for relevant assets based on various criteria. You can define rules in the Fleet Manager that monitor the data points of the respective assets and define resulting actions such as sending notifications or setting the status indication after the occurrence of an event set by you, e.g. if the data relating to a certain asset exceeds a threshold defined by you in the Fleet Manager.
MindSphere Launchpad	After the login into your Account, the Launchpad appears. Similar to a desktop on any common operating system (OS), the MindSphere Launchpad facilitates starting various assigned applications. You may permit Users of Third Parties that receive a service from you to access the MindSphere Launchpad for the purpose of accessing and using Applications assigned by you to such Third Party. If you provide services to your customers, you must replace the Siemens service and support information provided in the MindSphere Launchpad with your companies' service and support information.

Store	An online store operated by or on behalf of Siemens allowing application operators to market and/or sell applications, e.g. at www.mindsphere.io/store.
Subtenant	A subtenant is a certain limited resource of a tenant and represents a subpart of your own real-world organization or the real-world organization of a third party that receives a service from you. It is also used to assign applications and access to applications.
Tenant	A tenant is a representation of a real-world organization. It covers properties like users, data, assets, entities etc.
Additional definitions	All other capitalized terms in this document shall have the meaning given to them in the MindSphere Agreement.

www.mindsphere.io/terms