

# MindSphere for Academia

## Product Sheet



MindSphere for Academia is exclusively dedicated to target groups within the academic realm without commercial usage. With MindSphere for Academia you get everything you need in order to include MindSphere in your academic endeavors, from teaching IoT classes to laboratory set-ups involving a wide variety of assets.

Included features enable you to e.g. apply predictive learning methods, perform edge analytics or implement Digital Twins.

### 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 Offering.
Data import	Import data to your Account through use of our designated MindSphere APIs.

### Description

When subscribing to MindSphere for Academia, you will be provided with the following Offerings. Please note that certain limits apply as per the table below.

#### MindSphere Capability Package

General	<p>The MindSphere Capability Packages provide you with a dedicated Account in MindSphere which is required in order to use different IIoT capabilities for developers, operators and end users depending on the MindSphere Capability Package.</p> <p>The descriptions and conditions set out in the Product Sheet for MindSphere Capability Packages available on <a href="https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets">https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets</a> apply to your use of the MindSphere Capability Package, subject to the limits set out in the table below.</p>
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#### Asset Attributes

General	In order to use the MindSphere Capability Packages, Asset Attributes are needed. Asset Attributes are properties of Assets. An Asset Attribute
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	<p>represents individual data such as temperature, pressure or speed. They can be static, e.g. a serial number or dynamic like temperature where historical data is desired. An Asset comprises of at least one Asset Attribute but can contain more, if required.</p> <p>Asset Attributes created by you are counted independently of their purpose such as monitoring, alarming or structuring.</p> <p>The description and conditions for “Asset Attributes” set out in the Product Sheet for MindSphere Capability Packages available on <a href="https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets">https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets</a> apply to your use of Asset Attributes, subject to the limits set out in the table below.</p>
<b>MindSphere Cloud Resources</b>	
General	<p>MindSphere cloud resources (“MindSphere Cloud Resources”) empower you to use MindSphere capabilities. MindSphere Cloud Resources Packages provide the resources required to use the various capabilities and functionalities provided either in a MindSphere Capability Package or as a MindSphere Add-on Offering.</p> <p>MindSphere for Academia Offering includes MindSphere Cloud Resources called “IIoT Data Package”, “Integrated Data Lake” and “Semantic Data Interconnect”.</p>
IIoT Data Package	<p>In order to use various capabilities and functionalities provided, MindSphere Cloud Resources are required. Therefore, MindSphere for Academia Offering includes mandatory MindSphere Cloud Resources called “IIoT Data Package”.</p> <p>The description and conditions for “IIoT Data Package” set out in the Product Sheet for MindSphere Cloud Resources available on <a href="https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets">https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets</a> apply to your use of IIoT Data Package, subject to the limits set out in the table below.</p>
Integrated Data Lake, Semantic Data Interconnect	<p>MindSphere for Academia Offering includes also optional MindSphere Cloud Resources called “Integrated Data Lake” and “Semantic Data Interconnect”.</p> <p>Such MindSphere Cloud Resources are needed for specific use cases and are required to consume/use the respective capabilities.</p> <p>The descriptions and conditions for “Integrated Data Lake” and “Semantic Data Interconnect” set out in the Product Sheet for MindSphere Cloud Resources available on <a href="https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets">https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets</a> apply to your use of Integrated Data Lake and Semantic Data Interconnect, subject to the limits set out in the table below.</p>
<b>Add-ons</b>	
General	<p>MindSphere Add-ons enhance MindSphere Capability Packages according to your use case by adding additional capabilities.</p>
Predictive Learning	<p>Predictive Learning allows you to build predictive models through machine learning techniques, enabling companies to optimize product quality as well as reduce potential field failures and performance issues.</p> <p>The description and conditions for “Predictive Learning” set out in the Product Sheet for MindSphere Add-ons available on <a href="https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets">https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets</a> apply to your use of Predictive Learning Essentials, subject to the limits set out in the table below.</p>

Edge Analytics	<p>Edge Analytics allows you to collect high frequency data, pre-process raw data and use an analytic edge functionality to calculate your KPIs. These KPIs allow condition monitoring (e.g. vibration analysis) of your asset. The description and conditions for “Edge Analytics” set out in the Product Sheet for MindSphere Add-ons available on <a href="https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets">https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/MindSphere-Product-Sheets</a> apply to your use of Edge Analytics Application (Trial), subject to the limits set out in the table below. Please note that Edge Analytics Application (Trial) includes 5 external points and allows you to use all Edge Analytics functionalities within 7 days. After expiration of 7 days, Edge Analytics Application (Trial) needs to be restarted again.</p>
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### Learning Advantage Academic Membership for Educators

General	<p>Learning Advantage Academic Membership for Educators provides academic institutions the resources to teach their students how to use Siemens Product Lifecycle Management (PLM) products. Eligible academic institutions will receive 5 memberships at no charge. An administrator account is also included, this allows the administrator to manage users (create/modify/delete) and manage extra subscriptions for their students.</p>
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## Overview

The authorization levels shown in the table below set out the overall limits of authorizations for the respective metrics. Regarding other limits please refer to the Product Sheet for MindSphere Capability Packages, MindSphere Cloud Resources and MindSphere Add-ons available on <https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview>.

Should the actual usage repeatedly exceed one or more of the applicable limits below, and should you not order the appropriate increase of usage capacities for an additional fee, we reserve the right to suspend the Offering. Other contractual rights and remedies remain unaffected.

Should the actual usage of your Asset Attributes and MindSphere Cloud Resources exceed the applicable limits below, usage-based fees will be charged on a monthly basis as set forth in the Price List for Offerings with Usage-based Fees available at <https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/usage-based>.

Please note that depending on your usage certain technical limitations may apply in addition to the limits set out in the tables below. For more information, please refer to <https://siemens.mindsphere.io/en/docs/Product-Descriptions-Overview/technical-limitations>. To clarify whether such technical limitations can be increased please contact MindSphere Support.

Capability Package	Size Premium
Asset Attributes	1 000
MindSphere Cloud Resources	
IIoT Data Package	Size XS
Integrated Data Lake	Size S
Semantic Data Interconnect	Size S

Add-ons	
Predictive Learning	Essentials
Edge Analytics	Application (Trial)
Learning Advantage Academic Membership for Educators	✓

## Security Information

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.
Secure communication	Data transmission will be done via HTTPS protocol from asset to your Account.

## Export Control Regulations

AL	N
ECCN	N

## Definitions

General	Unless otherwise indicated, capitalized terms used in this document shall have the meaning given to them in this document or elsewhere in the Agreement. You may also want to check our <a href="#">Glossary</a> .
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