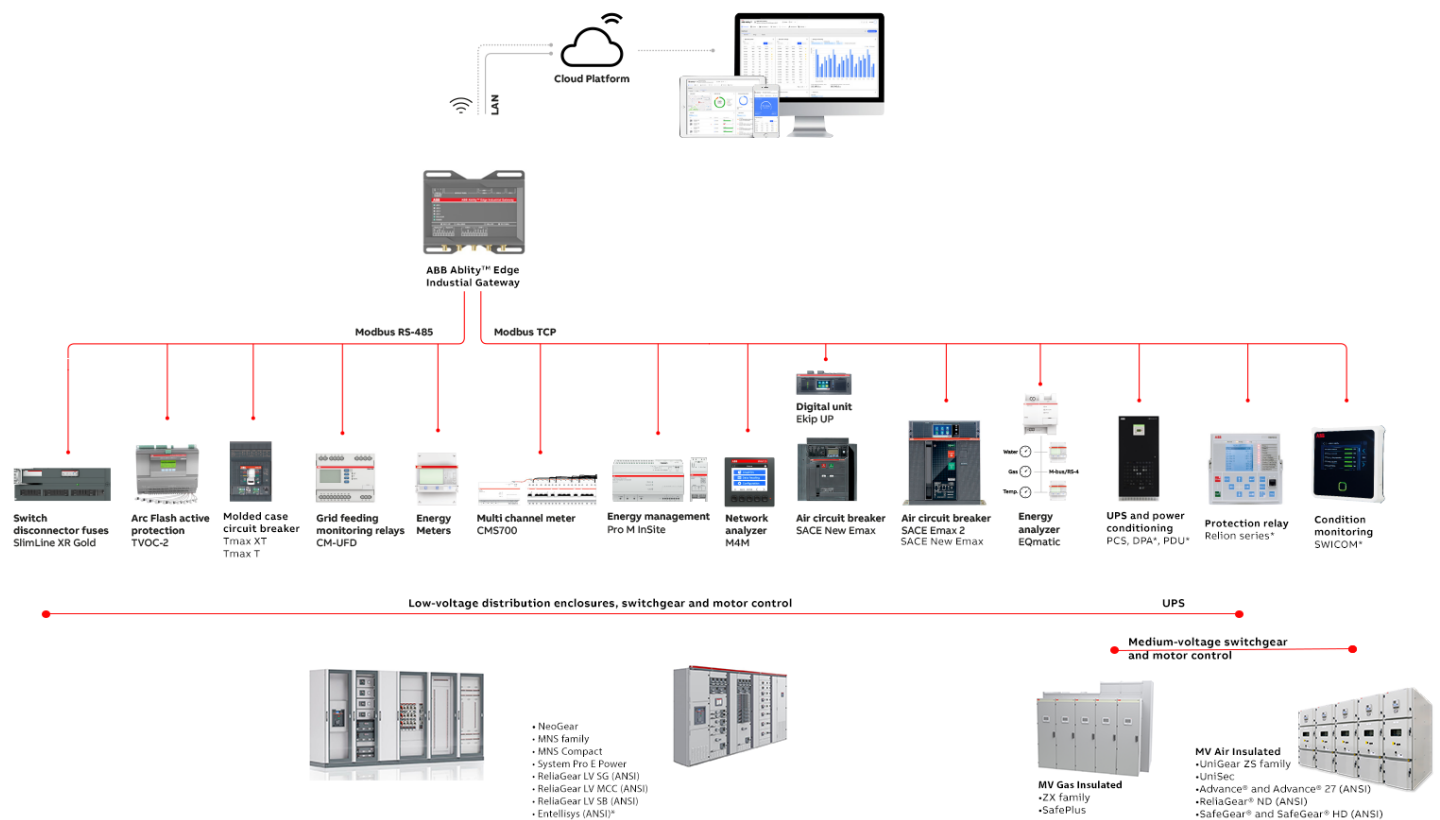


LEAFLET

# ABB Ability™ Edge Industrial Gateway Cloud View



\*Coming soon

## Cloud view

ABB Ability™ Edge Industrial Gateway runs ABB Ability™ Energy and Asset Manager solution by connecting to the cloud, unlocking data and insights on the site's energy consumption and assets health.

Cloud View version ensures:

- Access to the data from anywhere, anytime
- Benefit from highest security standards and comprehensive services
- Flexible and scalable user and subscription management

More information about ABB Ability™ Energy and Asset Manager solution are available [here](#).

## Architecture notes

Commissioning is performed from Ethernet port ETH1 which is connected to the same network where devices are present. The other Ethernet port ETH0 is used for the connectivity to the cloud.

As an alternative to Ethernet connection, 3G/4G cellular or Wi-Fi connectivity are supported for Cloud View. Commissioning is done by ABB Provisioning Tool and, during that phase, it requires internet connectivity.

Firmware update can be done by ABB Provisioning Tool cabled to ETH0 and laptop.

ABB Provisioning Tool is available [here](#).

Gateways



Edge GW Cloud View

ABB Provisioning Tool



ABB Ability™ Energy and Asset Manager

## Main details in a nutshell

<b>Supported Devices</b>	<b>45 by Modbus TCP + 15 by Modbus RTU</b> Molded case circuit breakers Tmax T and XT series; Air circuit breakers New Emax and Emax 2 series; Ekip UP external trip unit; TruONE ATS and ITS2.1; Ekip Signalling MODBUS TCP; EQ Meters, M2M / M4M, CMS700, InSite Pro M and EQMatic; REF 542 PLUS; CM-UFD grid feed monitoring relays; TVOC-2 Arc Guard System; SWICOM, MDC4 and MDC4-M MV switchgears; SMIS MT585			
<b>Available Widgets</b>	Analog Data Monitoring, Arc Guard, Arc Guard - CSU2, Asset Current Trend/Frequency Trend/List/Power Trend/Power Factor Trend/Voltage Trend, ATS Diagnostics/Source Status/Transfer Time, Connectivity Overview, Digital Data Monitoring, Energy Audit Summary/Cost/Cost Comparison/Data/Data Comparison/Mix Group/Monitoring, EnPI Monitoring, Environmental Data, Frequency, Group Peak Monitoring, Group Real Time Currents/Metering/Power/Voltage, Historic Data Metering, Input Data Calculation, Latest Events, Local Time, Metering data monitoring, Multi-Asset Peak Power Monitoring, Multi-Group Peak Monitoring, Multi-Site Locator, PCS Logs/Peak Monitoring/Real Time Currents/Real Time Power/Real Time Voltage, PDU Peak Monitoring/Real Time Currents/Real Time Voltage, Peak Monitoring, Performance Indicator, Power Demand/Factor/Forecast/Generation/Quality - THD/Quality - Voltage, PUE Monitor/Trend, Real Time Currents/Metering/Power/Voltage, Site Locator, States and Counters, Total Historic Data, UPS Battery Status/Events/Peak Monitoring, UPS Real Time Currents/Power/Voltage, Weather real time/Forecast 48 hours/Week forecast.			
<b>Available Functions</b>	<b>Explore tab:</b> <ul style="list-style-type: none"> <li>• Hierarchical view</li> <li>• 2D/3D view</li> <li>• Connectivity</li> <li>• All equipment</li> </ul>	<b>Analysis tab:</b> <ul style="list-style-type: none"> <li>• Reports <ul style="list-style-type: none"> <li>- Generate report</li> <li>- Scheduled task</li> <li>- History</li> </ul> </li> <li>• Data Groups</li> </ul>	<b>Events tab:</b> <ul style="list-style-type: none"> <li>• All events</li> <li>• Alert condition</li> </ul>	<b>Settings tab:</b> <ul style="list-style-type: none"> <li>• Site</li> <li>• Documentation</li> <li>• Users</li> <li>• Utility</li> <li>• Service and environment</li> <li>• Notification</li> <li>• Subscriptions</li> </ul>

## Shopping list

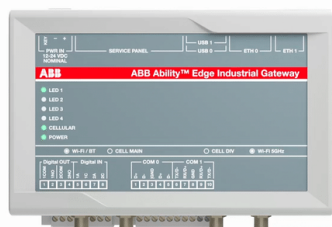
The relative commercial codes are the following:

Code	Description
1SDA116751R1	ABB Ability Edge Industrial gateway
1SDA116752R1	ABB Ability Edge Industrial gateway 3G EU
1SDA116753R1	ABB Ability Edge Industrial gateway 3G US

Additional accessories are the same of legacy gateway E-Hub 2.0.

Code	Description
1SDA114038R1	I/O module
1SDA114039R1	Wi-fi/Bluetooth antenna
1SDA114040R1	Cellular antenna
1SDA114041R1	Wall Mounting brackets
1SDA114043R1	Supply

ABB switchgears can also be equipped with Edge Industrial Gateway. Please refer to your ABB contact person for further information.



## Related documents

Cloud provisioning guideline - [LINK](#)

Manual - [LINK](#)

Supported devices - [LINK](#)

# How ABB Ability™ Energy and Asset Manager looks like in Cloud View

## Dashboard



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electrification**

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