

ABB Drive Connectivity Panel

Secure and easy access to the ABB Ability™ Digital Powertrain for remote condition monitoring and expert support



The ABB Drive Connectivity Panel enables an easy and secure NB-IoT connection to drive support and digital services. This helps you to gain insights into the health and performance of your drives and make better operational decisions – to keep your processes running smoothly, with lower downtime and increased energy efficiency.

Remote insight into operational performance

ABB Drive Connectivity Panel allows remote insight into the drive's health and performance. The drive's KPI data, operational trends, parameter settings and fault events can all be checked by simply logging onto the ABB Ability™ Digital Powertrain portal.

Plug & Play installation, for fast, secure, cost-effective connections

Easy installation, commissioning and built-in connectivity between the drive and the ABB Ability™ cloud, with mobile data plan included at no additional cost.

Reliable and secure data transmission

Connectivity Panel utilizes the latest mobile technology for reliable connections and strong signal penetration, even if the drive is located underground or in a cabinet. Drive data is securely encrypted inside the panel and transmitted by an NB-IoT connection, featuring superior cyber security protection protocols, to the ABB Ability™ cloud.

Key benefits



Increased uptime

The ABB Drive Connectivity Panel provides easy access to digital services to keep your processes operating at their best. You can see signs of possible problems in advance – to plan maintenance accordingly.



Energy and process optimization

Get additional information from the applications, which can be used to optimize energy efficiency and process performance.



Rapid problem solving with Remote Assistance

Get access to expert technical support, share drive data and solve problems comfortably via your smartphone or computer.



Improve safety and maintenance practices

Many maintenance inspections and fixes can be done from a safe distance. In addition, scheduling of maintenance work becomes much more cost and time effective.

Stay a step ahead of process disruptions

3 simple steps to get connected

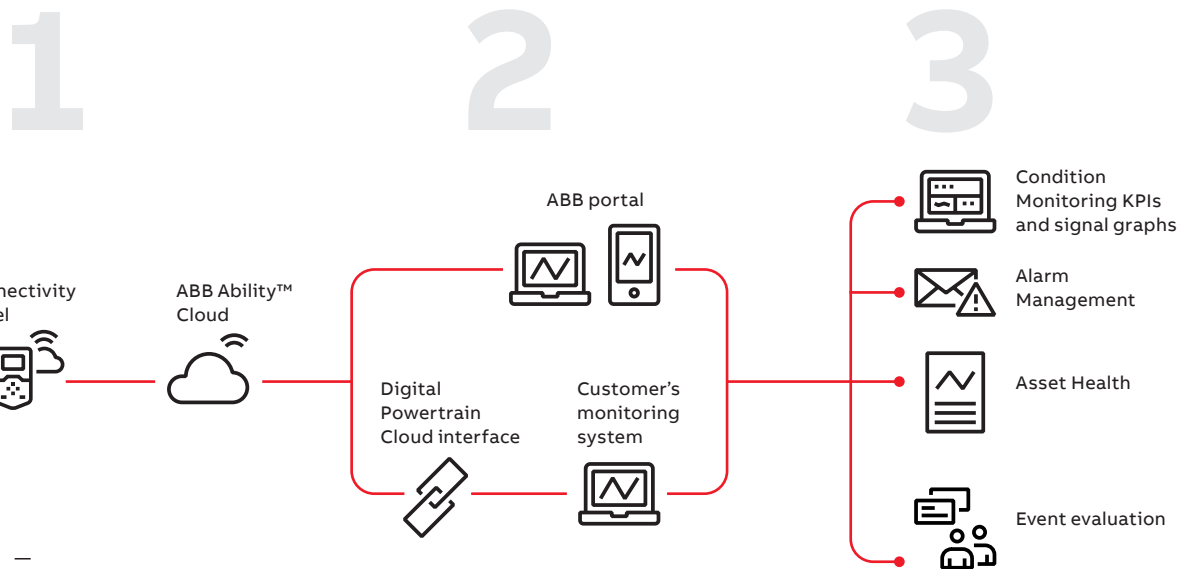


1. Install the Connectivity Panel – “One click” installation and commissioning is done by simply inserting the Connectivity Panel into the normal panel interface. It doesn’t occupy any option slot interfaces.

2. Access the portal – After powering up the drive, the panel starts transmitting encrypted data to the ABB Ability™ cloud. Now you can log on to ABB’s Digital Powertrain condition monitoring portal and browse KPIs, operational trends, parameters,

and faults for deeper and more secure remote insight into your drives.

3. See all the critical information – Optimize energy efficiency and process performance by revealing additional information from equipment. Automated notifications about drive events can be enabled for faster reaction to address issues. If needed for troubleshooting, you can allow experts at your company or ABB to remotely access the drive for fast problem solving.



Connectivity Panel provides a seamless link between the drives/operations and a wide variety of powerful cloud-based services and support tools.

Connectivity Panel supports the ABB Ability™ Digital Powertrain

The ABB Ability™ Digital Powertrain enables you to remotely monitor the health and performance of powertrains, including drives, motors, and applications such as pumps and fans. It combines data collected using the connectivity devices, such as Connectivity Panel, NETA-21, and Smart Sensors.

This data can be accessed and analyzed remotely, providing a better understanding of the maintenance needs and energy efficiency of the entire process. Potential machine disturbances and energy savings can be detected, and actions taken to make operations more efficient, predictable, and safe.

For more information please contact your local ABB representative or visit:

new.abb.com/drives
solutions.abb/digital-powertrain

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