

Press Release

Bosch Rexroth introduces the IoT Gateway as part of its Industry 4.0 Technology Portfolio

Compatible with new and existing machines, the IoT Gateway is the newest addition to Bosch Rexroth's extensive Industry 4.0 portfolio

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For Immediate Use



The core of the IoT Gateway is Rexroth's XM controller, firmware and a variety of apps to control the system.

Proudly featuring a unique combination of hardware and software, the IoT Gateway demonstrates the latest in Industry 4.0 technology. For new and existing machines, Bosch Rexroth's IoT Gateway connects to the Internet of Things (IoT) without intervening with automation logic.

Bosch Rexroth is excited to introduce its IoT Gateway to the Industry 4.0 technology market. Engineered by Bosch Rexroth's leading experts, the IoT Gateway is a system of fully coordinated hardware and software components for new and existing machines.

The IoT Gateway makes it easy to connect to the Internet of Things (IoT) without intervening in the automation logic. The precisely coordinated combination of control hardware and software for implementing IT applications collects sensor and process data, transmits it to MES, cloud applications or local machine state monitoring systems and enables process data analysis. The modular software concept of the IoT Gateway is based on Linux, Java apps and open interfaces. The configuration and handling are web-based, free from programming and performed logically in three simple steps.

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A huge time and cost savings, no software is needed to set up the system; everything is configurable through web interfaces. Furthermore, users don't have to learn a programming language to utilize the system, making it easy to get started. And, scalable, embedded control hardware complements three system apps that make data recording, processing and forwarding easy.

Dashboard App – The Central Hub

The Dashboard App provides web-based interfaces for administration, configuration, parameterization and visualization of process data. Users receive a detailed overview of the collected data and the device's app enables local monitoring of process data via a standard browser without special software.

Devices App – Flexible Peripheral Connections

The Devices App establishes connections with peripherals such as sensors and signal values are converted into process data (known as endpoints). Connection options for this app are analog voltage and current signals, digital voltage signals, OPC UA, Open Core Interface for Controls, Siemens S7, RFID and Bluetooth LE.

Processing App – Fast Data Transfer

The Processing App converts process data into information using logical and mathematical operations. The app then forwards that information to higher-level systems such as Bosch SI – Production Performance Management, Bosch Sensor Cloud, Bosch Energy Platform, Bosch Rexroth ODIN, MES systems and databases.

For more information about Rexroth's IoT Gateway, visit

<https://www.boschrexroth.com/en/iot-gateway>.

About Bosch Rexroth

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile Applications, Machinery Applications and Engineering, and Factory Automation. With its intelligent components, customized system solutions and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drives

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and controls, gear technology, and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries, more than 30,500 associates generated sales revenue of approximately 5.5 billion euros (\$6.2 billion) in 2017.

To learn more, please visit www.boschrexroth-us.com

About Bosch

Having established a regional presence in 1906 in North America, the Bosch Group employs nearly 34,500 associates in more than 100 locations, as of December 31, 2017. In 2017 Bosch generated consolidated sales of \$13.7 billion in the U.S., Canada and Mexico. For more information, visit twitter.com/boschusa, twitter.com/boschmexico and www.bosch.ca.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,000 associates worldwide (as of December 31, 2017). The company generated sales of 78.1 billion euros (\$88.2 billion) in 2017. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility, and connected manufacturing. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to deliver innovations for a connected life. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. At 125 locations across the globe, Bosch employs some 64,500 associates in research and development.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-press.com, [www.twitter.com/BoschPresse](https://twitter.com/BoschPresse).

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