

Paessler launches public BETA of BitDecoder to translate IoT data from Sigfox OG devices into visual formats

Nuremberg, Germany – 19 November 2019 – Paessler AG, the monitoring specialist, announces the launch of its BitDecoder – a SaaS application that decodes payloads from Sigfox OG-connected devices.

BitDecoder takes encoded payload data from Sigfox OG-connected IoT devices and transforms it into a visual and more easily readable format, namely a decoded JSON format. It is designed to help organisations structure, market and decode complex payloads more simply and efficiently.

Benefits of BitDecoder:

- Highly visual format – transforms encoded hexadecimal payload into decoded JSON format
- Saves time using pre-defined device templates – the BitDecoder comes with many templates for multiple devices saving development time and effort
- No programming skills are required – simple selection of the device type from a template list
- Hosted infrastructure – no need for a dedicated machine and its associated maintenance costs
- Easy to maintain and customisable – cloning and editing templates can be created to meet specific project needs

The BitDecoder can send data directly to a chosen endpoint. Users simply choose from Azure IoT Hub, AWS IoT, PRTG Network Monitor, Paessler's monitoring solution capable of providing an overview of IT and IoT infrastructures and services, or they create their own HTTP or MQTT integration for an endpoint. Decoded data is processed and passed on but never stored, giving users complete end-to-end control.

Helmut Binder, Paessler AG CEO: "The launch of the public BETA of the BitDecoder marks an important step in Paessler's ambition to offer new solutions in the IoT field. This product expands our SaaS offering for the digitalization of any Sigfox OG-connected devices. It was designed to make things as easy as possible for those who need to decode, transcode and transfer payloads from Sigfox OG-connected devices towards digitized clouds."

Aurelius Wosylus, CSO at Sigfox Germany, explains the need for such SaaS tools: "The BitDecoder offers a data turntable and adapter functionality between dedicated Sigfox OG objects and any application cloud. This is an important feature, as the Sigfox protocol has its own data structure and as each Sigfox OG device manufacturer can define their own payload. BitDecoder helps application engineers to read, analyse and translate this IoT machine code into any format needed and transfer it to any target cloud."

Sigfox sensor vendors often offer a dedicated cloud platform for their specific devices. These cloud platforms usually provide a dashboard for evaluation purposes only, but B2B customer demands are much more complex. They may be implementing solutions at multiple customer sites, with multiple parties involved from project inception to operation. To address these demands effectively, an adapter is needed to cover various use cases connected to one or even more customer applications. This makes the middleware a key success factor in B2B IoT environments. Paessler's BitDecoder offers a versatile solution that is aimed to connect any Sigfox device to any platform – a true middleware solution.

More information available on the Paessler website: <https://www.paessler.com/tools/bitdecoder>

About Paessler AG

In 1997 Paessler revolutionised IT monitoring with the introduction of PRTG Network Monitor. Today over 200,000 IT administrators, in more than 170 countries, rely on PRTG to monitor their business-critical systems, devices and network infrastructures. PRTG monitors the entire IT infrastructure 24/7 and helps IT professionals to seamlessly solve problems before they impact users.

Our mission is to empower technical teams to manage their infrastructure, ensuring maximum productivity. We build lasting partnerships and integrative, holistic solutions to achieve this. Thinking beyond IT networks, Paessler is actively developing solutions to support digital transformation strategies and the Internet of Things.

Learn more about Paessler and PRTG Network Monitor at www.paessler.com

About Sigfox

Sigfox is the initiator of the OG network and the world's leading IoT (Internet of Things) service provider. Its global network allows billions of devices to connect to the Internet, in a straightforward way, while consuming as little energy as possible. Sigfox's unique approach to device-to-cloud communications addresses the three greatest barriers to global IoT adoption: cost, energy consumption and global scalability.

Today, the network is available in 65 countries, with one billion people covered. ISO 9001 certified and surrounded by a large ecosystem of partners and IoT key players, Sigfox empowers companies to move their business model towards more digital services, in key areas such as Asset Tracking and Supply Chain. Founded in 2010 by Ludovic Le Moan and Christophe Fournet, the company is headquartered in France and has offices in Madrid, Munich, Boston, Dallas, San Jose, Dubai, Singapore, Sao Paulo and Tokyo.

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