

GPRS-A LTE



USE
CASE



**SATEL PROTECTS
YOUR BUSINESS**

The Challenge

According to industry research, IT downtime costs businesses over **£4,000 (5,600\$)** per minute on average*. These system failures and the time taken to restore them can be mitigated using a universal monitoring module such as SATEL GPRS-A LTE.

Server rooms are critical environments for any business and need a monitoring solution which allows remote management and notifications for the IT team. GPRS-A LTE can **notify** users about several events that could disrupt services or reduce system reliability including:



overheating



intrusion



flooding

The final hurdle is to automate processes to alleviate these problems such as operating a relay to switch on the air conditioning when the server room is overheating or trigger a siren or sounder when there are intruders.



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The Solution

The GPRS-A LTE is an easy to install universal module equipped with telephone designed for use in the 2G, 3G and 4G cellular networks. Up to eight 1-Wire digital temperature sensors can be connected to it giving the IT team multiple temperature readings from their server room in addition to readings from other detectors (flood, motion etc.) using the analogue inputs to report on other events.

"Reported via free mobile app"

Overheating, flooding and intrusion in the server room can then be reported to the IT team via the **free mobile app GX CONTROL**, SMS or using one of several other communication paths. Giving the business **instant feedback** to respond to and prevent or reduce downtime.

"Giving the business instant feedback"

GPRS-A LTE also includes 2 relay outputs and 2 OC outputs which are controllable both manually and automatically. These give businesses the opportunity to **automatically trigger the air conditioning** based on the server room temperature and other parameters including humidity. Other outputs could also trigger sirens or sounders, so that if there is a flood, fire or an intrusion then there will be an immediate response both locally and remotely and all key personnel will be aware of the situation.

"Automatically trigger the air conditioning"

The Results

Businesses deploying GPRS-A LTE as an automated monitoring solution have better protected, more effective IT systems. With push notifications, SMS messages and local sirens or sounders, IT teams have the information needed to respond to downtime faster than previously. The possibility to automate responses such as switching air conditioning on, can reduce downtime even more as the outputs can automatically respond to sensor data before the team even know there is a problem.



Security

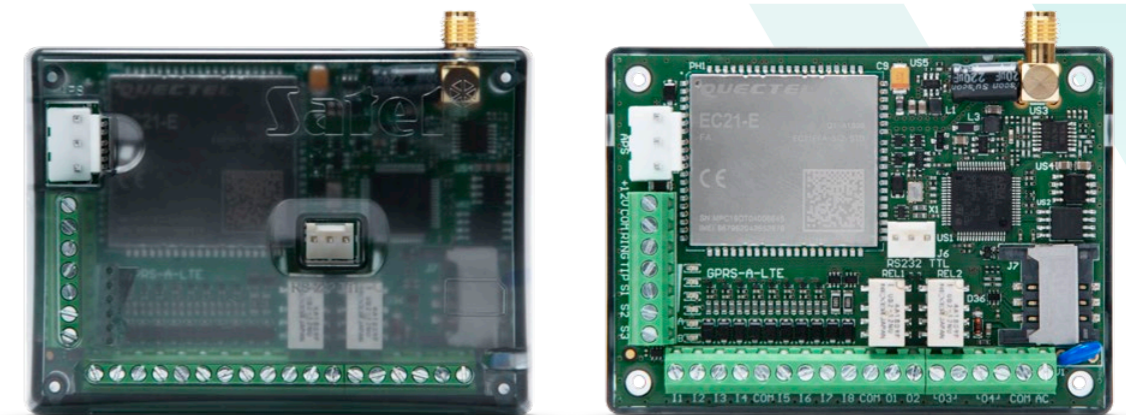
Efficiency

Notifications

The Benefits

The GPRS-A LTE from SATEL is a high-performance, cost-effective universal monitoring module which provides notifications and control via the cellular network.

- » It can be implemented quickly with minimal configuration.
- » It supports multiple different types of sensors and detectors.
- » It can automatically control third-party systems in response to readings from sensors.
- » It has very low energy consumption.
- » It supports a free mobile app with push notifications and control.
- » Configuration changes can be made remotely via SATEL Server.
- » Data can be pushed to systems using several protocols (JSON, JSON/HTTP, MQTT, MODBUS).
- » It can accept both digital and analogue inputs.
- » SMS notifications and control can be used simultaneously with the app.



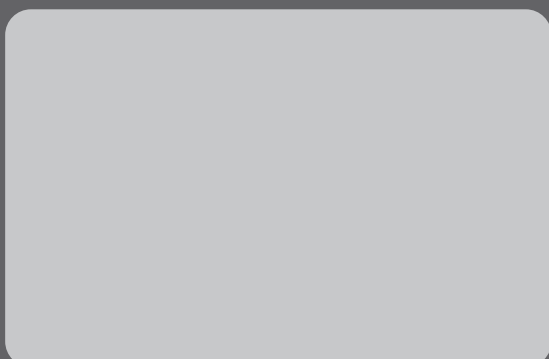
GPRS-A LTE module with enclosure / GPRS-A LTE module

*Gartner (2014) *The Cost of Downtime*. Available at: <https://blogs.gartner.com/andrew-lerner/2014/07/16/the-cost-of-downtime/> (Accessed 27 Jan 2020).



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The manufacturer reserves the right to change the specification and technical data of devices.
Images shown are for general information only and may differ from actual products.
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30 YEARS OF EXPERIENCE

Professional protection of each type of premises, as well as people staying therein, through advanced, yet functional and cost-effective solutions – these few words may serve as the shortest description of the mission of SATEL, a manufacturer of security systems with involvement of 100% Polish capital. Due to integrity in business and a special emphasis on high quality and a wide range of products offered, the SATEL brand has been highly appreciated in the industry for 30 years.

This philosophy of management and hard work of more than 350 SATEL's employees produce tangible results. The wide range of over 400 offered products provides countless opportunities to create security, home automation, fire alarm, access control and monitoring systems, tailored to the individual needs of each user. At the same time, these systems meet all requirements prescribed by Polish and international regulations and industry standards.

Bringing the functionality of devices into line with current requirements and expectations of the market with the use of the latest technologies is one of the main objectives of SATEL. For this reason the design and production departments of the Company are continuously being modernized and expanded. A natural consequence of all actions aimed at the production of top-quality devices was the introduction of the quality management system conforming to ISO 9001 in 2002. Regardless of this certification, SATEL also carries out a full functional test of all products leaving the production line, thus ensuring reliability of the manufactured devices. Focusing on modern design and attaching importance to the highest levels of quality and functionality of its products, SATEL has gained many satisfied customers not only in Poland but also in more than 50 markets worldwide.