VIVAVIS

DECODING THE FUTURE

enQube II

Our Smart Building Gateway

Be it Smart Home or Smart City – with enQube II you are perfectly prepared to collect meter data, temperatures and other status data in the future. Up-to-date technology standards facilitate your daily business and improve your processes. Integrated logical functions and additional features open up manifold new options – eg recording of time series or evaluation of measured values including notification in case of exceeded limits.

Our platform for your digital business

More convenient, more secure, providing better energy efficiency – that is living in smart cities. And with enQube II you lay the foundations. We considered customer-specific use cases for smart home and smart grid and thus designed enQube II as local data hub. This way you are able to easily integrate additional business areas such as landlord-to-tenant electricity at reasonable costs. Integrated applications deliver additional benefit. These applications capture meter readings as well as quality data such as temperatures or flow rates every minute or every second and assess this data on the basis of individual sets of rules and regulations. In case of irregular values, enQube II sends an alarm message (eg an email) in real time to the system or directly to your customers. Disturbances such as leakage are therefore detected very quickly and you are able to take corresponding measures.

Integration of LoRa® sensors

The enQube II offers communication via LoRa®. By means of this wide-range network protocol, enQube II transfers data provided by manifold IoT sensors and devices regardless of distance or accessibility. Another benefit: enQube II only consumes little energy. The device also meets specific requirements of information consolidation in submetering with ease. This way you are able to forward data from the field securely and reliably to central systems such as VIVAVIS dashboard and monitor decentralized processes.

Your benefits at a glance

- Our technology platform offers secure investment into your future digital business
- Real-time value acquisition and evaluation in intervals of up to 1 second
- Logical function and alarms eg in case of faults and disturbances
- Remote maintenance as well as configuration
- Independent data transmission replaces manual reading
- Flexible mobile service connection due to LTE (4G) and GPRS/EDGE (2G) provided in one device
- Highest security standards met as all data is transmitted in encrypted form via OpenVPN, IPsec or TLS connection
- Independence from third-party systems and metering service providers
- Gateway functions for LoRa®

Independent and interoperable
We at VIVAVIS are proud to be an independent provider of automatic meter reading, metering solutions and services for more than 40 year. With our products you too remain competitive and independent from providers of energy or billing services as well as from utilities. Thanks to our experience gained in decades as market leader in metering, VIVAVIS systems speak the languages of more than 500 devices. Use your already existing system or apply IDSpecto by VIVAVIS. This further proofs the unique interoperability of our technology.

Data acquisition every second and automated data transfer
The device automatically sends recorded data in adjustable intervals via Push to the system or by email directly to your inbox. VIVAVIS enQube II records and transfers data every second.

Plug and play – remote configuration and maintenance
You can configure enQube II easily from your office. A technician is only required once to install the device. Afterwards, you are able to execute maintenance processes, firmware updates or new configurations right from your desk or automated – even without a separate back-end system.

Up-to-date communication standards
One of the outstanding features of enQube II is up-to-date IP communication using a broad range of network modes. The device can send data via LTE (4G) or GPRS/EDGE (2G) and selects the network with the best transmission bandwidth.

Secure transmission
Data transmission is comprehensively protected. Data is always securely transmitted using OpenVPN, IPsec or TLS via web services. External attacks do not have any chance to decrypt data traffic.

Use cases – smart buildings and smart homes

- Billing of heating and running costs
- Smoke detector monitoring
- Landlord-to-tenant electricity and landlord-to-tenant heat (photovoltaic, solar, CHP, storage)
- Automatic transmission of heat, gas and water quantities
- Visualization of energy consumption/ energy management
- Burst pipe monitoring
- Automated control and monitoring of legionella bacteria
- Environment monitoring (active and assisted living, mould prevention, eHealth)

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