



ASSET TRACKING WITH NB-IOT

Asset tracking is deployed in a wide variety of fields, allowing for the global coordination of supply chains as well as the avoidance of costly downtimes. It improves tool and transportation units utilization while also making it possible to hold lower levels of inventory. Stolen objects can now be found and reacquired. Thanks to the resulting cost savings, swift refinancing also becomes accessible.

Q-loud's NB-IoT asset tracker comes with universal compatibility for keeping track of the position of containers, vehicles, pallets, machines, or tools on a global scale.

This device has a clear focus on outdoor implementation. It is robust, waterproof, fully encapsulated, and features the most powerful antenna in its class for reception even in poor coverage areas. A wide variety of options are available for tracker attachment: bolting, gluing, or cable ties.

Pre-integrated sensors additionally make it possible to track the condition of goods while in transport. Examples here include monitoring cool chain compliance for medicines and foodstuffs via temperature sensor, or recognizing dropping damage via accelerometer. Tracking these kinds of factors leads to transparency and more efficient processes, as problems along the transportation path can be recognized and duly countered in a prompt manner.

Thanks to the use of the new NB-IoT global radio standard, this tracker consumes significantly less power than other wireless technologies like GSM and LTE, enabling maintenance-free use for up to 5 years.



Q-loud's Asset Tracker NB-IoT receives a GPS signal and periodically transmits its location, along with sensor data, to Q-loud's tracking platform via NB-IoT. The data transmission interval can be configured in the range between one minute

and 24 hours. The tracking platform can then visualize the data or send it to other applications and systems via REST API. Whether you are looking for integration with an ERP system, inventory management, or app, or you need status reports or alarms, all of those features are supported with flexibility. That means the IT infrastructure you have in place now can continue to be used, which accelerates implementation and reduces costs.

Q-loud Asset Tracker NB-IoT comes as a complete system, consisting of tracking device with integrated sensors, mobile data contract for global NB-IoT usage, and Q-loud's tracking platform for visualizing or forwarding data.

Please contact us if you have requirements for other kinds of sensors, housings, explosion protection, use of Bluetooth (BLE), or your dedicated platform.

Technical specifications

Sensors: Temperature sensor
triaxial accelerometer
GPS sensor

Protection class: IP67

Dimensions: L/W/H 125mm / 60 mm / 40 mm

Weight: 310 g



COMPLETE SYSTEM

Connectivity, tracker, platform



MAINTENANCE-FREE

Battery life up to 5 years



ROBUST

Watertight, shock- and impact-resistant.



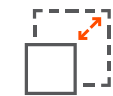
EXCELLENT CONNECTIVITY

Thanks to top-quality hardware



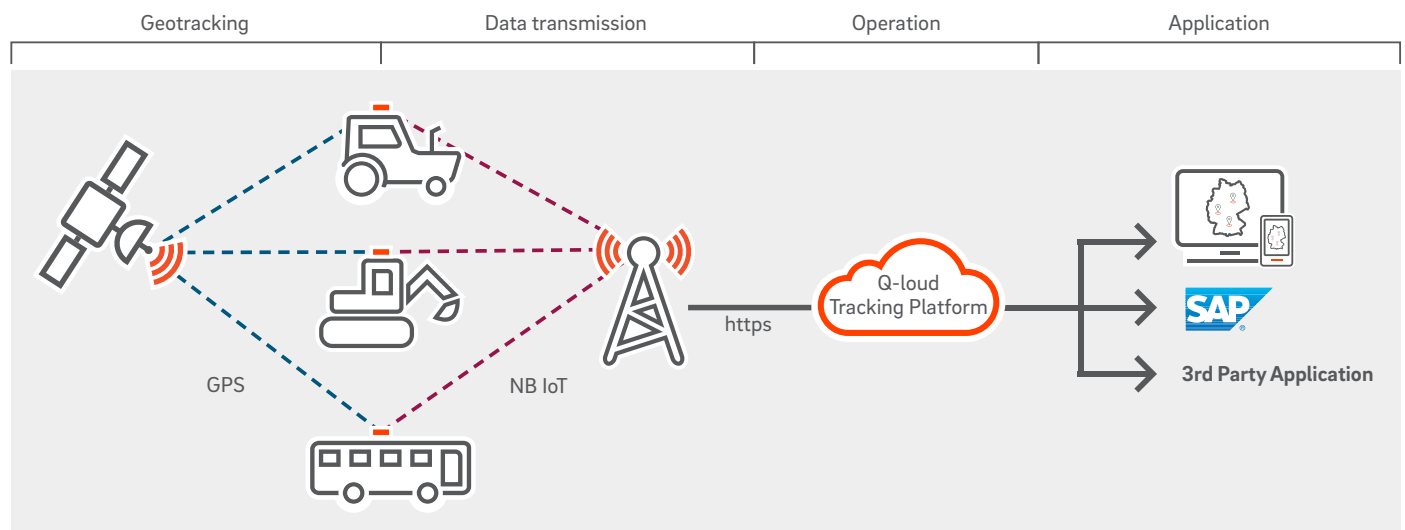
FLEXIBLE SYSTEM INTEGRATION

Integrable with all systems via REST-API.



FLEXIBILITY

We'll tailor the product to your wishes.



Further information is available at www.q-loud.de
or contact us at info@q-loud.de

T +49 221 669-8411

@vernetz dich

www.q-loud.de/xing

www.q-loud.de/linkedin

Q-loud
a QSC AG company