

IZAR RDC BATTERY 2 RADIO CONCENTRATOR

The smart solution for reliable, autonomous and secure metering



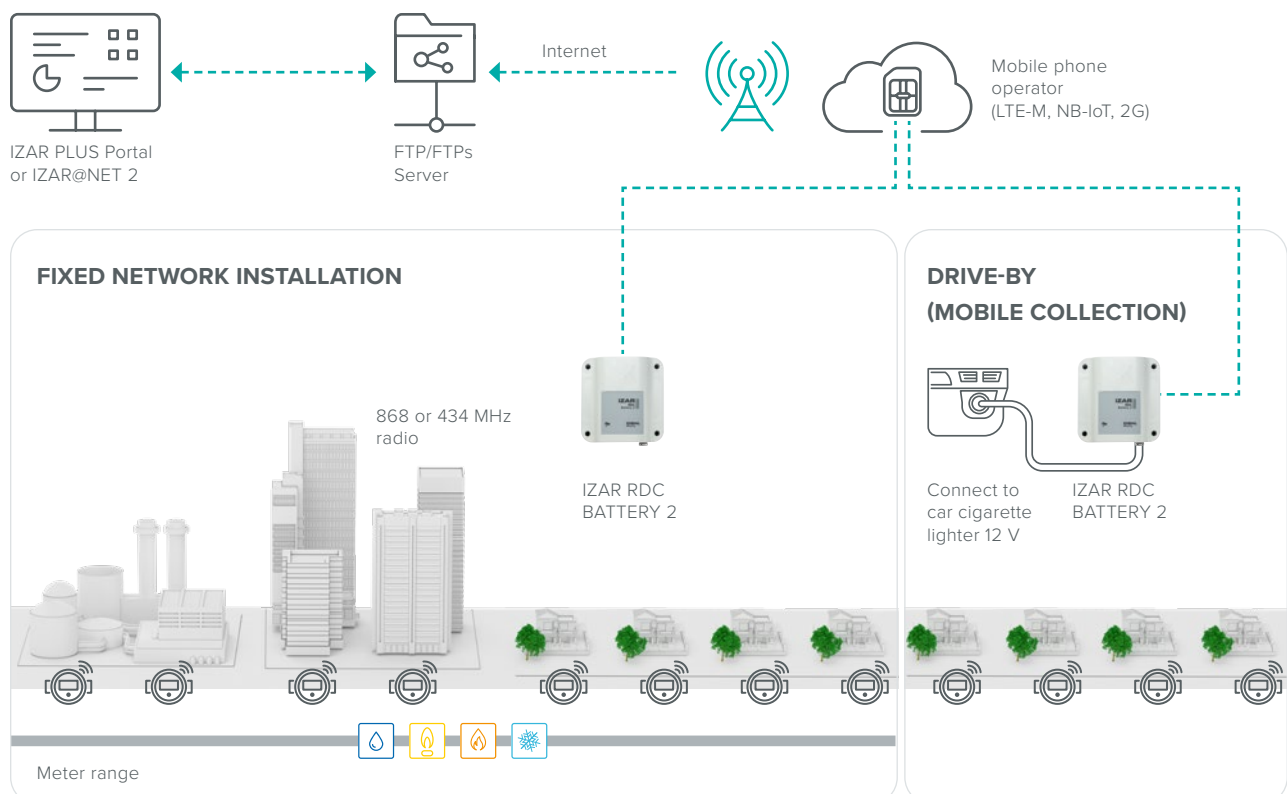
Reliable fixed network performance – without power constraints

Deploying fixed networks in areas without a reliable power supply remains a major challenge. Thanks to the IZAR RDC BATTERY 2, there are no longer any limitations caused by unreliable or non-existent power supplies: fixed networks can now be deployed without any problems, even in remote or infrastructure-deprived areas.

The **IZAR RDC BATTERY 2** is a fully autonomous, battery-powered data concentrator designed to deliver reliable fixed network performance exactly where you, as utility or network operator, need it most. By combining long battery life, high-performance wireless communication, and secure cellular connectivity in a compact device, it ensures continuous and reliable data collection from multiple meters and sensors – even in remote, underground, or hard-to-reach environments.

Key benefits

- Autonomous operation without external power supply
- Long-lasting battery autonomy for reduced maintenance costs
- Reliable radio performance for stable data transmission
- Secure cellular connectivity for uninterrupted communication
- Fast and flexible deployment in challenging locations



INTRODUCING IZAR RDC BATTERY 2

Seamless integration into the Diehl Metering ecosystem

As part of the Diehl Metering ecosystem, the IZAR RDC BATTERY 2 works seamlessly with the IZAR PLUS PORTAL, enabling utilities and network operators to transform meter data into operational value through:

- Data visualization and analysis
- Advanced alarm and event management
- Easy integration with billing and back-office systems
- Improved operational efficiency and network transparency

With the IZAR RDC BATTERY 2, utilities can expand network coverage more quickly, reduce infrastructure constraints, and ensure reliable smart metering performance wherever it is needed.

One device. Two applications. Maximum flexibility.

The IZAR RDC BATTERY 2 combines fixed network and drive-by meter reading in one software-configurable device. A single hardware platform for both permanent installations and mobile campaigns reduces costs, simplifies logistics and improves operational efficiency. Designed for **autonomous operation**, it enables secure, scheduled data collection with energy-efficient performance for long-term deployment and minimal maintenance. Powered from a vehicle's 12V supply, it instantly becomes a mobile hub for efficient drive-by meter reading – no special vehicle hardware needed.

KEY CAPABILITIES

Autonomous by design

- Battery powered operation with up to 10 years lifetime*
- Field replaceable battery pack
- Optional external 12 V power supply

Reliable radio reception

- OMS, PRIOS and RealData protocols
- 868 MHz or 434 MHz radio
- Receives up to 2,000 meters per listening window
- Internal antennas, external antennas optional

Flexible cellular connectivity

- LTE-M / NB-IoT / 2G
- FTPs as the secure default (RED-CS compliant), with FTP available as an optional configuration
- Optimized data files for efficient transmission

Easy deployment & control

- Local or remote configuration
- Dedicated Windows configuration tool
- RSSI indication for optimal installation
- Remote firmware updates

Built for demanding environments

- IP67 enclosure – suitable for outdoor installation
- Operating temperature: -20 °C to +55 °C
- Compact, discreet housing: 150 × 153 × 57 mm

Your benefit

Fixed network deployment without permanent power, reducing installation and maintenance effort. A secure and scalable solution designed for easy integration into existing infrastructures, based on secure FTPs communication. Trusted Diehl Metering quality and ecosystem.



Application: Drive-by / Fixed network radio concentrator

Meter types: Water, gas, electricity, thermal energy, sensors

Capacity: Up to 2,000 meters

Cellular networks: LTE-M / NB-IoT / 2G

Battery lifetime: Up to 10 years*

*Depending on configuration and operating conditions.



160+ YEARS
OF EXPERIENCE IN
METERING
TECHNOLOGY



60 MILLION
COMMUNICATIVE METERS
AND RADIO MODULES
INSTALLED WORLDWIDE

INTERESTED?
SCAN THE QR CODE
TO GET IN TOUCH
WITH OUR EXPERTS.

