

# IZAR GATEWAY PREMIUM 434

## RADIO RECEIVER



### APPLICATION

Diehl Metering empowers utilities and other industries with the most robust and efficient metering connectivity solution in the 434 MHz frequency band on the market.

With only one device and only one LPWAN antenna it is possible to support mioty® for Metering, R4, R4+ and wM-Bus T1 communication.

### FEATURES

- Intelligent telegram filtering
- Extreme extended reception range with mioty® for Metering
- LAN and WAN 4G (LTE) for data transmission
- Outdoor device with IP65 class (LAN connector accessory required)
- Multi-user and multi-role management
- Remote configuration and remote firmware update
- Localization (GPS, GLONAS, GALILEO)
- Tertiary on-demand reading & alarming
- Local and remote logging and monitoring (24/7)
- Several tertiary interfaces: : MQTT, sFTP/FTP/FTP, REST client, Amazon® AWS IoT, Microsoft® Azure IoT Hub, Home Assistant

## PRINCIPLE OF OPERATION

The IZAR GATEWAY Premium 434 allows handling of telegrams from different radio standards. All telegrams are collected, filtered, processed and exported fully automatically, dynamically and securely to the selected head-end system.

## GENERAL

| IZAR GATEWAY Premium 434 |                                                                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity                 | Up to 25.000 sensors/meters                                                                                                               |
| Antenna                  | 1 N-connector supporting all radio technologies                                                                                           |
| Data granularity         | Individually adjustable: "Stream mode" (no data reduction) or "Batch mode" (with export after data aggregation every 1 minute - 24 hours) |
| Range of reception       | Up to 11 km in average outdoors, depending on type of connectivity, antenna and location                                                  |

## TECHNICAL DATA

| IZAR GATEWAY Premium 434  |                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------|
| Interfaces                | Gigabit Ethernet, LTE Cat.4 (with mimo), GNSS, LPWAN                                            |
| External power supply     | PoE++ (IEEE802.3bt Type 3, Class 5 (40W), available as accessory in indoor and outdoor version) |
| Power connector           | RJ45 (LAN connector with IP65 available as accessory)                                           |
| Typical power consumption | Max. 23 W                                                                                       |
| Supported LPWAN           | 434 MHz: wM-Bus Mode T1 (OMS), R4/R4+, mioty® for Metering                                      |

## REACH

Information pursuant to Article 33 (1) of Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006:

This product series contains components with the following substances in a concentration of more than 0.1% weight by weight (w/w):

- Lead (CAS no.: 7439-92-1)

## AMBIENT CONDITION

| IZAR GATEWAY Premium 434 |                            |
|--------------------------|----------------------------|
| Operating temperature    | -20 ... +55°C              |
| Storage temperature      | -40 ... +75°C              |
| Protection class         | IP 65                      |
| Humidity                 | 5 ... 90% (non-condensing) |

## DIMENSIONS

| IZAR GATEWAY Premium 434 |    |                                         |
|--------------------------|----|-----------------------------------------|
| Length                   | mm | 313                                     |
| Width                    | mm | 223                                     |
| Height                   | mm | 92 (72 without wall mounting kit)       |
| Weight                   | kg | 4.188 (3.240 without wall mounting kit) |

## PRODUCT CONNECTIVITY

Product features are activated via license keys.

The usage of the Gateway is subject to the terms of use defined by the End User License Agreement (EULA) in the Diehl Metering online customer portal.

## Economic Actor Information

Applicable regulation and legal obligations for products may change.

DIEHL METERING monitors applicable regulation to ensure their products comply at the date of placing on the market.

Each economic actor making products available on the market thereafter must independently keep informed about the current applicable regulation.

For questions, please contact: [metering-germany-info@diehl.com](mailto:metering-germany-info@diehl.com)

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