

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

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