

IZAR IOT GATEWAY COMPACT

RADIO | RECEIVER

DIEHL
Metering



APPLICATION

Diehl Metering empowers utilities and other industries with the most robust and efficient IoT connectivity solution on the market for maximum accessibility. With the IZAR IoT GATEWAY Compact, the reception of radio data coming from IoT sensors for smart city as well as smart metering applications is possible with only one device, as mioty[®]4OMS and mioty[®] for Metering as well as wM-Bus receivers are included and LoRaWAN[®] technology is pre-installed. Discover the power of Diehl Metering with the IZAR IoT GATEWAY Compact!

FEATURES

- ▶ All-in-one multi-technology receiver for Smart Metering and Smart City LPWAN infrastructure
- ▶ Effective data protection and communication security
- ▶ Highest data timeliness (live streaming possible)
- ▶ Capacity for up to 50,000 devices
- ▶ Intelligent telegram filtering
- ▶ Ethernet 10/100
- ▶ LTE
- ▶ 868 MHz
- ▶ mioty[®], mioty[®]4OMS, wireless M-Bus T1 & C1 and LoRaWAN[®]

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PRINCIPLE OF OPERATION

The IZAR IoT GATEWAY Compact offers a way to handle radio telegrams from different LPWAN standards in a data encoding agnostic way. All telegrams are collected, filtered, processed and exported fully automatically, dynamically and securely to the selected head-end system.

GENERAL

| IZAR IoT GATEWAY Compact | |
|--------------------------|--|
| Capacity | Up to 50,000 devices |
| Antenna | 3 SMA connections (for mioty [®] and mioty [®] 4OMS, wireless M-Bus and LoRaWAN [®]) |
| Data granularity | Individually adjustable: "Stream mode" (no data reduction) or "Batch mode" (with export after aggregation every 1 minute - 24 hours) |
| Range of reception | Up to 11 km outdoors, depending on type of connectivity, antenna and location. |

TECHNICAL DATA

| IZAR IoT GATEWAY Compact | |
|---------------------------|---|
| Version | 868 MHz |
| Interfaces | Ethernet 10/100, LTE-FDD: B1/B3/B7/B8/B20/B28A, WCDMA: B1/B8, GSM/EDGE: B3/B8 |
| External power supply | AC 100 ... 240 V, 1.5 A, 50-60 Hz |
| Power connector | DC 12.0 V, max. 5.0 A |
| Typical power consumption | 9 W |
| Supported LPWAN | Mioty [®] band EU1, mioty [®] 4OMS, wM-Bus mode T1 & C1 and LoRaWAN [®] (8 channels) |

AMBIENT CONDITIONS

| IZAR IoT GATEWAY Compact | |
|--------------------------|------------------------------|
| Operating temperature | °C -20 ... +55 |
| Storage temperature | °C -20 ... +70 |
| Protection class | IP 20 (indoor) |
| Humidity | % 10 ... 85 (non-condensing) |

DIMENSIONS

| IZAR IoT GATEWAY Compact | |
|--------------------------|---------|
| Length | mm 241 |
| Width | mm 121 |
| Height | mm 70 |
| Weight | kg 0.78 |

Use of the LoRa Alliance[®] and LoRaWAN[®] marks is pursuant to license from the LoRa Alliance[®]

Diehl Metering GmbH · Industriestrasse 13 · 91522 Ansbach · Germany
Phone: +49 981 1806-0 · Fax: +49 981 1806-615 · metering-germany-info@diehl.com · www.diehl.com/metering
Subject to technical adjustments

Empower a sustainable future