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

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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