

# IZAR RDC PREMIUM 2

RADIO RECEIVER

**DIEHL**  
Metering



## APPLICATION

The IZAR Radio Data Concentrator Premium 2 is the most powerful data concentrator of Diehl Metering's RDC product family. This is the latest generation of receivers for fixed network that benefits from long experience and multiple deployments of Diehl Metering.

The IZAR RDC PREMIUM 2 can achieve high reading performance in regards of range and data granularity under the most difficult conditions of use and therefore guarantees a compatibility in the very long term.

## FEATURES

- ▶ Capacity for up to 50,000 devices
- ▶ WAN 2G/3G or 4G (LTE)
- ▶ Mains power supply or over Ethernet PoE+ (802.3at)
- ▶ Professional and solid 2 N antenna connections
- ▶ Advanced security functionalities
- ▶ Intelligent telegram filtering

# IZAR RDC PREMIUM 2

## RADIO RECEIVER

### PRINCIPLE OF OPERATION

The IZAR RDC Premium 2 receives radio telegrams according to EN13757 and the Open Metering System Specification (OMS-S) independent of the measured medium. The frames are stored on the optional basis of a filter function (e.g. according to medium or manufacturer). The collected and processed data are exported fully automatic and secure in flexibly settable intervals or time points to an (S)FTP server, where IZAR@NET or other systems can load the files for further processing. This happens automatically without the need to address each IZAR RDC Premium 2 individually.

### GENERAL

IZAR RDC Premium 2	
Capacity	Up to 50,000 devices with radio
Housing	Light grey housing, lockable
Supported media	Independent of media
Antenna	2 N connections
Data granularity	Individual adjustable (5 minutes - 24 hours)

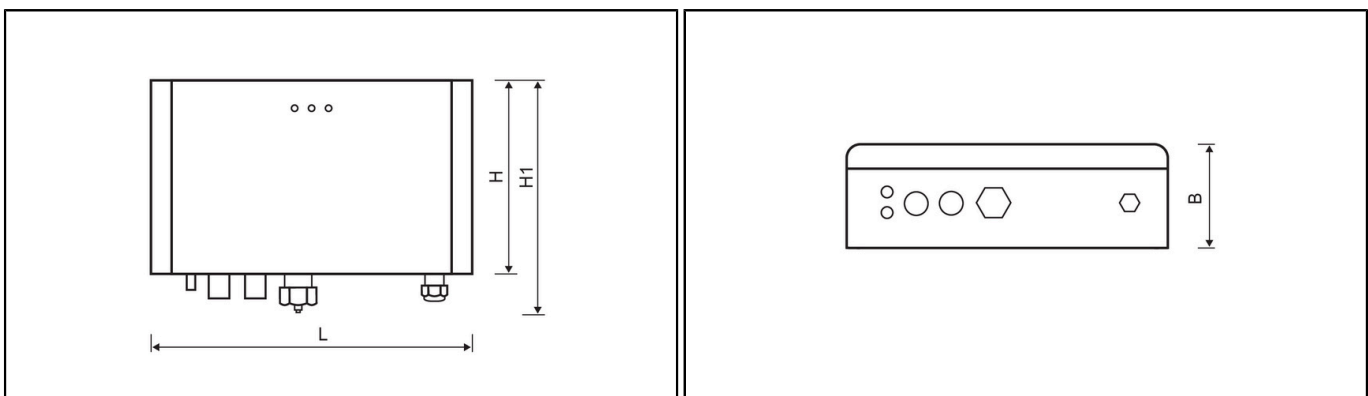
### TECHNICAL DATA

IZAR RDC Premium 2	
Versions	868 MHz and 434 MHz (OMS, wMBUS (EN 13757), PRIOS, RealData, Long Range Radio)
Interfaces	LAN, 2G, 3G, 4G
Power supply	110 V ... 230 V Line voltage and PoE+ (802.3at)
Power connector	CEE 7/7
Typical power consumption	W < 15 (max. 25)

### AMBIENT CONDITIONS

IZAR RDC Premium 2	
Operating temperature	°C -20 ... +55
Storage temperature	°C -20 ... +70
Protection class	IP 65 (via mobile radio communication or optional with a LAN connector)
Humidity	% 10 ... 85 (non-condensing)

### DIMENSIONS



IZAR RDC Premium 2			
Length	L	mm	280
Width	B	mm	90
Height	H	mm	170
Height	H1	mm	205
Weight		kg	3.8