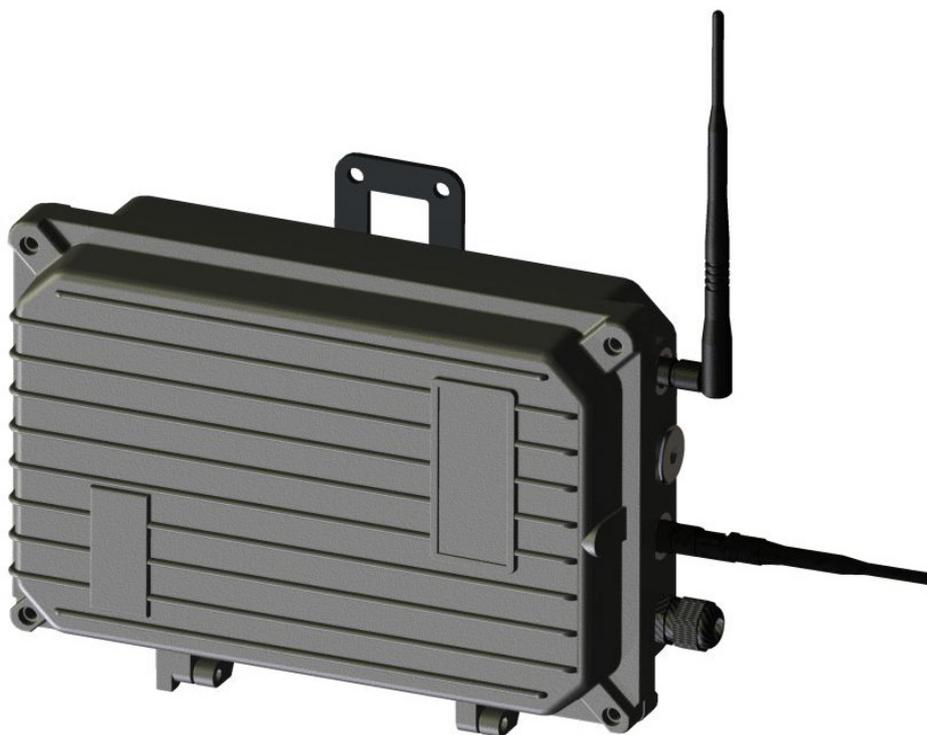


SensusRF Gateway



Application

Compact Gateway for fixed Radio network which can interface with:

Short Range Devices (SRD)

- SensusRF Radio Endpoints like iPERL
- SensusRF Repeaters

Long Range Radio (LRR)

- GPRS
- Ethernet

Designed to receive meter data of meter Endpoints in periodical interval or communicate on demand and transfer the data on the long range via GPRS (Ethernet) communication

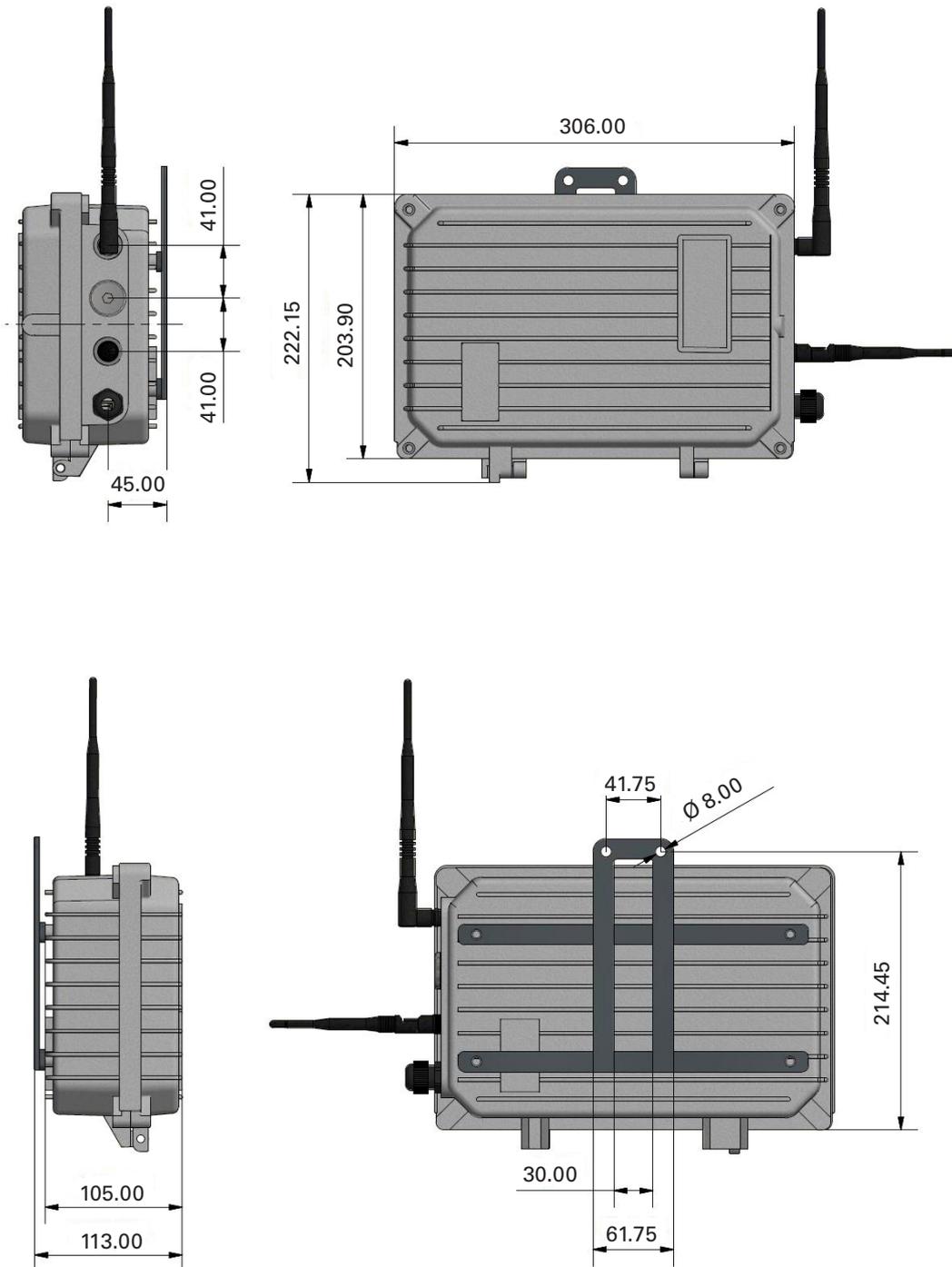
Overview

The Gateway can handle up to 1000 Endpoints (meters).

At 868 MHz the distance to the meter Endpoint is line of sight 500 m, under normal conditions outside a building 100 m to 300 m, hard conditions e.g. pit installation 50 m to 100 m.

The distance to SensusRF Radio Repeaters can be more than 1 km LoS (Line of sight) at 868 MHz and up to 350 m LoS at 433 MHz.

Dimensions



Features

Input	SensusRF Radio protocol 868 MHz (433 MHz)
Number of inputs	Up to 1000 Endpoints (512 KB flash, 128 KBRam)
GSM/GPRS	GSM/GPRS quad-band
Housing	IP 65 Aluminium alloy, UV resistant
Installation	Fixing on a pole/wall with screws back support
Power supply	65..285 VAC Optional: Auxiliary 12-24 DC, i.e. solar panel , consumption 8.2 Watt
	Internal NiMH Backup Battery to cover power failure up to one hour
Radio Power	Endpoint <> Gateway 25mW (868 MHz) Repeater <> Gateway 100mW (868 MHz) In 433 MHz all links are 10mW
Configuration Interface	via GPRS, Ethernet, – remote upgrade over the air, USB local
Reading Interface	GSM/GPRS and Ethernet
Environmental temperature	-20 °C ...+70 °C operating and storage
Environment	Attention on hard environment, cold, dirty, wet. Outdoor installation with direct sunshine
AMR integration	CAS IRIS communication server CAS Hemera™ Platform – SmartWater™ Module
Approvals	CE Anatel approval RoHS Compliance R&TTE Directive 99/5/EC (433 MHz and 868 MHz) EN300 220-2 EN301 489-3 und -7 EN301 511 EN 60950-1:2006/A12:2011

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