
FEATURES

All-in-one-multitechnology receiver for Smart City LPWAN infrastructure

Bidirectional communication (except wMBus)

Base station software BSSCI interface

Multi-tenant operation

Holistic multi-layer security architecture

Highest data availability

Capacity for up to 50.000 devices

Intelligent telegram filtering

Ethernet 10/100

LTE Cat. 1

Three external antenna ports

868 MHz (Mioty-Band EU1, LoRa and wMBus T&C)

White-Label adaptations on request

Interface configuration on request

FUNCTION

The VIORYTI GATE receives radio telegrams according to the ETSI standard TS-103-357 independently of the data encoding. All telegrams are collected, filtered, processed and exported fully automatically, dynamically and securely (over Microsoft Azure, generic MQTT, REST push, FTP/ SFTP/ FTPS, etc.).

CERTIFICATION

CE certified according to the Radio Equipment Directive 2014/53/EU - Annex III, Module B (EU type examination)
(EN 301489-1, EN 301489-3, EN 301489-52, EN 300220-1, EN 300220-2, EN 62311, EN 62368-1, EN 60068-x, EN 301511, EN 301908-1, EN 301908-2, EN 301908-13, EN303413)

TECHNICAL DATA SHEET



ASSEMBLY

Housing suitable for
wall mounting or
ceiling mounting

GENERAL

Communication capacity	50.000 devices
Antenna	3 SMA-connections (for Mioty, LoRa, and Wireless M-Bus)
Data granularity	Individually adjustable Stream (without data reduction) Batch (1minute – 24 hours)
Range of reception	Up to 30km outdoors, depending on antenna and location

TECHNICAL DATA

Versions	868 MHz (434 MHz version on request)
Interfaces	Ethernet and LTE (in option)
External power supply	100 bis 240V AC /1,5A, 50-60Hz
Power connector	12.0 V DC / 5,0A (max.)
Typical power consumption	9W
Supported LPWAN	Mioty Band EU1, LoRa, Wireless M-Bus Mode T & C

DIMENSIONS

Length	127 mm
Width	197 mm
Height	22 mm
Weight	0,7 kg

AMBIENT CONDITION

Operating temperature	-20...+55°C
Storage temperature	-20...+70°C
Protection class	IP20 (Innenbereich)
Humidity	10...85% (non condensing)

APPLICATION

mioty empowers industries and communities with the most robust and efficient IoT connectivity solution on the market for maximum accessibility. mioty's patented telegram splitting technology applies lowest packet error rates, enabling reliable operation even in a crowded spectrum with interference by other networks.