

IoT HER-B

- Wireless communication without SIM requirement
- Location tracking outdoors (Heracles)
- Location tracking indoors (Bluetooth, or WiFi)
- 4 x digital input
- 4 x relay output
- MQTT uplink protocol
- GNSS receiver
- Wireless battery module



DESCRIPTION

HER-B represents a combination of location tracking both indoors and outdoors.

The communication and location tracking outdoors is handled by Heracles technology, which grants reliable communication in 33 EU countries without additional charges until January 2025.

The indoor location tracking is handled by more accurate and energy-efficient alternatives, such as Bluetooth and WiFi. These scan nearby networks and determine the location of the device based on the signal strength.

The device is equipped with an MQTT communication protocol for easier implementation into an already existing IoT network.

HER-B also includes four digital inputs (dry contact type) that are designated for switch sensing. Four relay outputs are designated for controlling connected devices.

The device is powered by a battery with a capacity of 2000 mAh. The battery life depends on the data exchange interval. The device can be easily charged via USB port on the front panel. Her-B can be equipped with an external power supply (9 - 36 VDC) instead of the battery. The front panel also includes signalization LEDs, that inform the user about the battery life and device status.

The device can be configured via the USB port on the front panel.



SPECIFICATION

Communication module	Heracles (2G) Bluetooth WiFi
Location tracking	GNSS Bluetooth WiFi
IO interface	4x relay contact 2 A / 48 VDC 4x digital output "dry" contact (available NO / NC configuration)
Communication protocols	MQTT
Device configuration	USB
Power supply	Battery / external (9 - 36 VDC)
Battery capacity*	2000 mAh (USB charging)
Temperature range	-20 to +50 °C
Dimensions	103 x 125 x 30 mm

* In case of battery version

TYPICAL APPLICATION

- > Industry 4.0
- > Fleet management
- > Outdoor tracking
- > Indoor tracking

