



# DRONETAG MINI

Micro LTE transponder for visualisation of  
of drones

**Purpose of use:** The Dronetag MINI is a transponder or remote identification device that can be attached to almost any drone due to its light weight. It makes drones visible to anyone, anywhere, anytime by transmitting their position to the Droniq UTM via LTE or broadcasting via Direct Remote ID.

The Dronetag MINI was developed by drone pilots for drone pilots in order to carry out drone missions safely and in accordance with the rules.

With access to the UTM system (e.g. TrackViewer), the remote pilot can at any

time view the current air situation from manned and unmanned air traffic data.

In addition to the Dronetag MINI and connectivity (e.g. a contract for LTE connectivity), a fee-based access to our UTM TrackViewer is required for full-scale use, so that the remote pilot can see the positions of aircraft and relevant manned air traffic in the vicinity of the drone operation.

Further information at:  
<https://droniq.de/products/dronetag-mini>

## Product features:

- Compact, lightweight & packed with advanced drone technology
- Self-sufficient use as no external antennas or power banks are required
- Reliable positioning of the drone
- Transmits current position via Direct Remote ID for
- Compliance with legal requirements
- Connectivity included for the first year



## Technical data:

### HARDWARE

#### Antennas & Sensors

- Sensors: GNSS, Barometer, Accelerometer
- JST SH 4-pin: read sensor data from MAVlink compatible flight controllers (e.g. Pixhawk), UART
- MAVLink: Baud rate: 1152000, MAVlink 2 protocol
- Location determination: GPS L1, GLONASS L1, Galileo E1, SBAS
- Built-in antennas: Internal LTE, Bluetooth and GNSS
- Optional antennas: External LTE and Bluetooth via MMCX connector
- External connections: 3.3 V expansion connector and 5 V micro USB

#### Weight

- 32g

#### Dimensions

- 54 x 35 x 15 mm

#### Operating temperature

- -5°C to +40°C (23°F to 104°F)

#### Fastening mechanism

- 3M Dual-Lock SJ457

### CONNECTIVITY<sup>1</sup>

#### Mobile communications

- LTE-M
- Mobile bands: 3, 8, 20 for the EU
- Mobile radio frequency: 698-960, 1710-2170 MHz

#### Bluetooth

- Bluetooth 4.0 and 5.0 / 2.4GHz

### POWER SUPPLY

#### Battery

- LiPo 3,7V 500 mAh

#### Connection

- JST SH 4-pin connector (3.3 V) or Micro USB (5V)

#### Charging connection

- 5V Micro USB

#### Average power consumption

- 50 mA

#### Maximum current consumption

- 1 A

#### Loading time

- 2 hours from a discharged state

#### Battery operating time

- 8-14 hours (depending on configuration)

### SCOPE OF DELIVERY

- Dronetag-MINI including connectivity (12 months) to the Droniq's UTM
- Micro-USB cable
- 2x mounting pad (counterpart to the Dronetag MINI)
- Cleaning pad
- Quick start guide

1) The product is delivered ready for use in Germany. In addition, the configuration is specially adapted for integration into the Droniq UTM. On request, we offer solutions for use in other countries.



Ihr Ansprechpartner

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