

idME



remote e-identification



Be ready for legal changes? idME will ensure your legal operation on VLOS and BVLOS flights

Designed to meet requirements of remote drone identification and localization in ASTM/ASD-STAN standard. Using the BLE broadcast technology the device provides surveillance and drone operator identification capability based on any modern mobile devices such as smartphone or tablet. idME can be easily connected to Pixhawk controller via JST connector. For full operation, a position source (along with other parameters) is required, which is obtained directly from the MAVLink protocol. Small outline and low power consumption allow it to be used in ultra-lightweight drones. AT commands provide feasibility to configure broadcast messages, such as drone identification number, type of aircraft, etc. Additional authentication mechanisms are also available.



Compliant with ASTM and ASD-STAN



Broadcasts remote ID messages



Be visible in the airspace



Maximize the range of the broadcast receiving

Applications

- ✓ UAS >250g/open & special category
- ✓ U-Space/UTM
- ✓ Police/Special forces
- ✓ E-identification

Product availability

- ✓ Pre-orders taken - May 2021
- ✓ Shipping - July 2021
- ✓ Available on www.aerobits.pl/shop



Subsystems for the UAS integration into the airspace

FEATURES

- ▲ Capability to work with MAVLINK devices
- ▲ BLE broadcast technology compliant with ASTM and ASD-STAN
- ▲ Interfaces: UART, USB
- ▲ Supports Bluetooth 4.0 and 5.2
- ▲ Free Android application available

Basic electrical specification

Parameter	Description	Value	Unit
Tx power	Bluetooth	+8	dBm
Power supply		5	V
Current consumption	average	20	mA
Dimensions	main outline	31.5 x 15.5 x 7.3	mm
Weight	without cable	6	g

About Aerobits

- ▲ Aerobits is a Polish technology company that has been operating on a global market since 2017
- ▲ We deal with the miniaturization of avionic systems, such as aviation transponders
- ▲ All solutions are based on a patented technology that allows processing radio signals on very small surfaces. This concept is at the core of our OEM modules (low-level assembly function modules), which are the basic building block of miniaturized avionics

