uBlox
Compact platform for High-Precision GNSS Solutions

Integrated positioning and communication on a single board.
The **uBlox module** is a versatile plug-in solution designed to be integrated into drones (UAVs, USVs, etc.) or various sensors such as GPRs or magnetometers, offering advanced technology for automatic and real-time GPS correction (RTK).
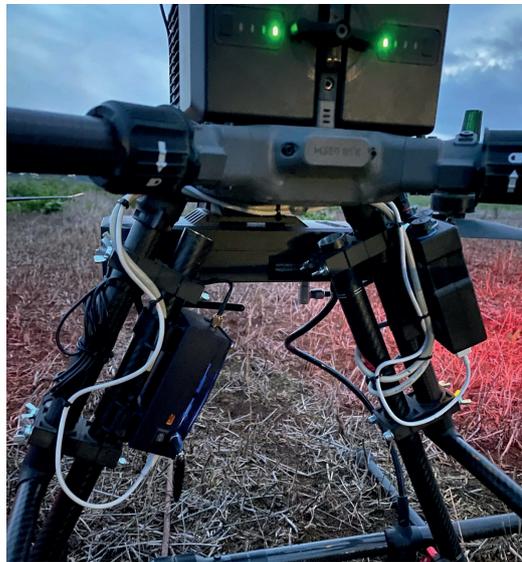
Connection modes

The system can be configured in three modes to adapt to different operational needs:

* LTE: Uses a data SIM to connect to permanent networks, ensuring stable coverage;
* Wi-Fi: Allows access via a nearby hotspot;
* LBAND: Leverages uBlox's proprietary system for an additional connection option.

Advanced performance

* GPS Correction (RTK): The system provides a stable and reliable RTK FIX in less than 1 minute;
* PPS Synchronization: The PPS signal allows synchronization of RTK acquisition times with those of the connected instrument, doubling the acquisition speed and optimizing data collection.

Thanks to its compatibility with drones and various types of sensors, this plug-in solution is ideal for applications requiring precision and speed. The uBlox module is indispensable for achieving high-quality results in reduced timeframes.

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Accessories:

The kit includes:

- Base board with integrated modules;
- LTE and GNSS antennas;
- Trial services for PointPerfect and AssistNow;
- Software and demo applications with source code;
- Ground plane for GNSS antenna.

(SIM card not included)