



GNSS-ESCAPE.EU

ESCAPE

EUROPEAN SAFETY CRITICAL APPLICATIONS
POSITIONING ENGINE

ESCAPE GNSS ENGINE - EGE

DESCRIPTION

The ESCAPE Project has developed a high accuracy positioning engine intended for use as a critical positioning component in vehicles.

It includes as principal components the GNSS receiver chipset, the Inertial Measurements Unit (IMU) and the main processor, as well as all the peripherals necessary for the communications of the board.

The unit has a modular architecture, in which a main board provides access to the features supported by the engine, while a core module implements the core processing capabilities, sized to allocate the most advanced positioning algorithms.

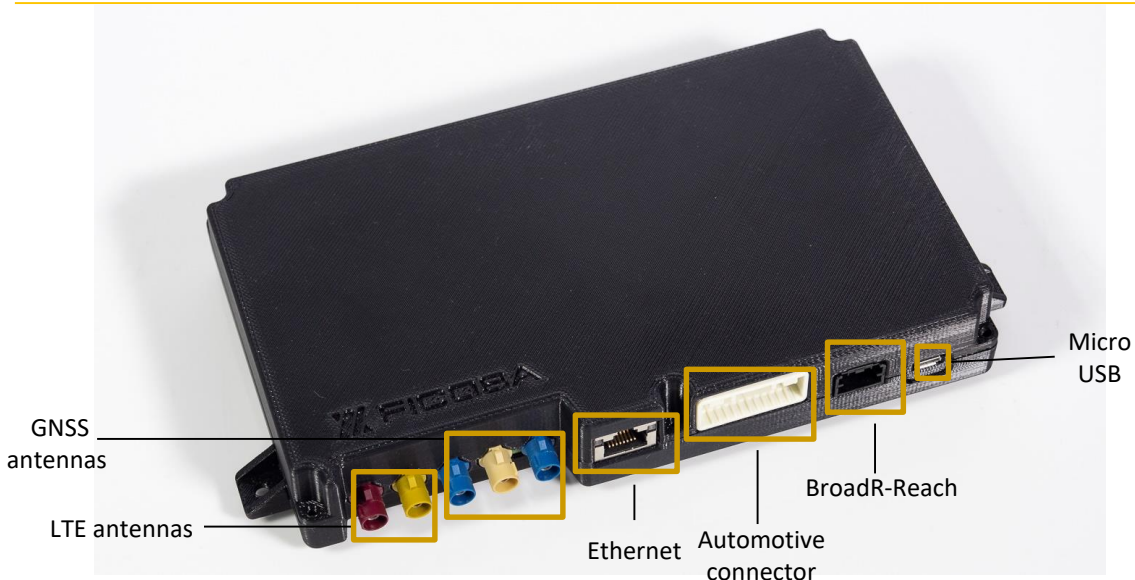
Its GNSS receiver is capable of simultaneously processing signals from two different GNSS bands and from different satellite constellations.

FIELD OF APPLICATION

- Specially conceived for automotive applications that require high accurate and safe positioning.
- Autonomous driving and V2X communications are the main applications taking advantage of its features, although many others - including traditional and regulatory – can benefit from them.

FEATURES

- Multi-frequency and multi-constellation GNSS receiver supporting GPS, Glonass and Galileo constellations, among other GNSS systems.
- Processing capacity able to run high accuracy positioning algorithms from 3rd party
- Cellular connectivity (LTE) and interfaces for vehicular communications.
- On-board accelerometer and gyroscope.



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