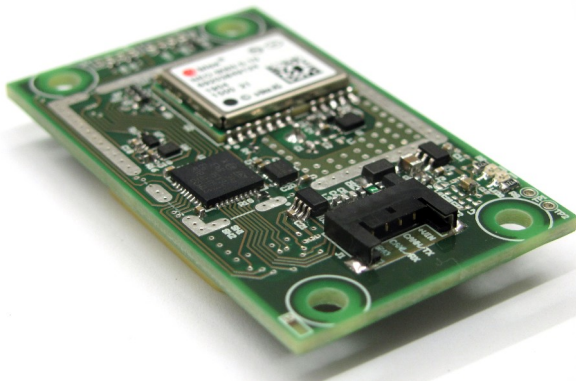


GNSS5G module with a built-in antenna

GNSS5G module is based on NEO-M8N, u-blox M8 concurrent GNSS modules. It has an internal patch antenna. The NEO-M8 series provides high sensitivity and minimal acquisition times while maintaining low system power.

The NEO-M8N integrates a 72-channel u-blox M8 GNSS engine that supports multiple GNSS systems (BeiDou, Galileo, GLONASS, GPS) and is able to receive 3 GNSS systems simultaneously.



FEATURES

- Concurrent reception of up to 4 GNSS (BeiDou, Galileo, GLONASS, GPS)
- Can receive data from 3 GNSS systems concurrently
- Horizontal position accuracy: minimum 2.5 m
- Industry leading -167 dBm navigation sensitivity
- Security and integrity protection
- Supports all satellite augmentation systems
- Built-in ceramic high gain patch antenna
- Reliable Molex Pico-Lock connector
- Hot start in 5 seconds with almanac and ephemeris data uploading feature

APPLICATIONS

- UAS
- Security / Surveillance
- Vehicle
- Industrial
- GPS-based logistics tracking management
- Driverless car positioning
- Scientific

INTERFACES

- Power input: $3.7 \div 5$ VDC
- Data interface: CAN-Bus or UART (selectable)
- Status LEDs (Tx/Rx, Data ready)

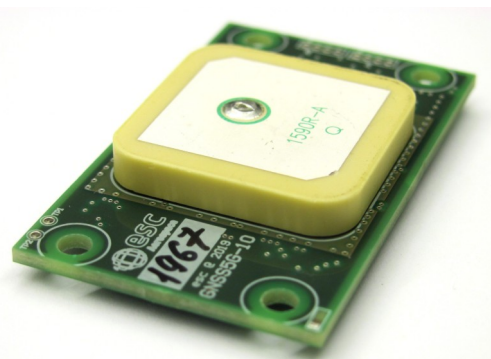
PHYSICAL

- Dimensions: 30x50x11.5 mm
- Operating temperature: $-40 \div 80$ °C
- Weight: 16 grams

ACCESSORIES

- GNSS5G Cable

Call us: +420 284 683 784
or write us: info@esc-aerospace.cz



esc Aerospace offers a product range of various On-Board Control Systems for vehicles and payloads, ranging from ionizing radiation hardened detectors to Data Relays and Sense & Avoid Systems. Commercial products include the 3rd generation of UAS/RPAS avionics with an Autopilot, Trajectory Management and Tracking functions; the 4th generation of GNC avionics has been developed for Launchers and Missiles, Micro-Satellite Instrumentation and Mini-Satellites. The 5th generation is a miniaturized and highly reliable system that enables UAS/RPAS to perform SWARM functions. esc Aerospace develops systems based on a revolutionary ASIC designed for a wide range of space and non-space radiation measurements payloads. It can be deployed as a miniaturized radiation detector with the capability of identifying radiation in early warning systems. esc Aerospace has recently presented its UAS/RPAS flight simulator. The AERO/SPACE FLIGHT SIMULATOR is targeted for expert users of UAS/RPAS and includes various aircraft and advanced options such as full autopilot.