Item no.: 372999

61846 - Navilock GPS Galileo Engine Module NL-652ETTL u-blox 6

from **61,95 EUR**

Item no.: 372999
shipping weight: 0.10 kg
Manufacturer: Delock

Product Description

This high-quality GNSS module offers all the functions of a GNSS receiver and can be easily integrated into your systems.

Specification- u-blox 6 GPS & GALILEO SuperSense® GPS chipset- High Sensitive (Tracking Sensitivity: -160 dBm)- AssistNow Offline (14 days Almanac data) support- DGPS, WAAS, EGNOS and MSAS support- Very short TTFF (Time To First Fix) even at low signal level- Supports NMEA 0183 protocol- Internal patch antenna- Internal TTL level converterSpecification- Chipset: u-blox 6 GPS & GALILEO SuperSense®- Frequency: L1, 1575.42 MHz- C/A Code: 1.023 MHz- Channels: 50 channels max.- Position Update Rate: max. 1 ~ 5 Hz- Sensitivity: -160 dBm Tracking- Sensitivity: -160 dBm Satfixing- Sensitivity: -147 dBm Cold Start- Position Accuracy 2.5m CEP, 5.0m SEP resp. SBAS 2.0m CEP,3.0m SEP, DGPS RTCM 2.3 - Time: 1us clocked to GPS timeInternal CMOS Multi-Purpose Flash 256K x16Datum- Default setting: WGS-84Time- New acquisition: 1 sec, average- Hot start: 3.5 sec., average- Warm start: 25 sec., average- Cold start: 30 sec., averageDynamic conditions- Reception altitude: Max. 18,000 metres (60,000 feet)- Reception speed: Max. 515 metres /second (1000 knots)- Acceleration: Max. 4g- Vibration: Max. 20m/sec × 3Power supply- Power connection: 5V DC- Current consumption: approx. 80mAInterface characteristics- 3.3 Volt TTL level- TTL Low Level 0 to 0.6V- TTL High Level 2.31 to 3.3V- TTL Level Tolerance 3.3V +- 2%- Baud rate: 38,400 bps- Output protocol: NMEA 0183 GGA, GSA, GSV, RMC, VTG- Optional: UBX (Position Data, Satellite Date, Time of the Day)Physical properties- Dimensions: 30 mm x 30 mm x 7.9 mm- Cable length: none, optional connection cable 95843 required (10cm toopen cable ends)- Operating temperature range: -40°C to +85°CAssistNow is a standard A-GPS service that enhances GPS receiver performance by allowing a position to be calculated almost instantly, even in difficult reception conditions. A-GPS enhances all GPS-enabled applications, especially those that require constant operational readiness, such as fleet management applications or GPS-enabled handheld devices whose users want immediate access to location-based services, regardless of reception conditions.Without A-GPS, a GPS receiver must locate at least 4 satellites in direct line of sight and then download their location data. This process takes 30 seconds in optimal reception conditions and can take much longer in poorer conditions, e.g. in an urban environment or inside a building where GPS reception is weaker. AssistNow sends the data directly to the GPS receiver and thus enables a fast position calculation.The offline service provides support data that is valid for up to 14 days. Users can therefore benefit from increased satellite detection performance for longer periods and only occasionally need an internet connection to update the support data.CEP = Circular Error Probability: The radius of a horizontal circle, centreed at the antenna's true position, containing 50% of the fixes.SEP = Spherical Error Probability.The radius of the sphere, centered at the true position, contains 50% of the fixes.Package contents- GPS module- CD-ROMPackaging- Poly Bag

Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability