

# Navilock NL-501ETTL Sirf3 TTL Module

## Description

This GPS module is a complete GNSS receiver without case and cable.

Please note that the SiRFstarIII chipset used here has reached the end of its production cycle. This engine board is delisted in the next few weeks.



**Item no. 60410**

EAN: 4043619604104

Country of origin: Taiwan

Package: Poly bag

## Special features

Please note that the SiRFstarIII chipset used here has reached the end of its production cycle. This engine board is delisted in the next few weeks.

## Specification

- SiRF Star III high performance GPS chipset
- High sensitiv (tracking sesitivity: -159 dBm)
- TTL version
- Short TTFF (time to first fix) also with low signal
- Support NMEA 0183
- Internal flash for fast reaquisition
- Internal patch antenna
- LED for GPS status

## Spezifikation

- Chipset: SiRF Star III
- Frequency: L1, 1575.42 MHz
- C/A code: 1.023 MHz
- Channel: 20 max.
- Sensitivity: -159 dBm
- Accuracy: 10 m, 2D RMS
- Velocity: 0.1 m/s
- Time: 1us GPS

## Datum

- Default: WGS-84

### Acquisition time

- Reacquisition 0.1 s, average
- Hot start: 1 s, average
- Warm start: 38 s, average
- Cold start: 42 s, average

### Dynamic conditions

- Reception altitude: max. 18,000 m
- Reception speed: max. 515 m/s
- Acceleration: max. 4g
- Skok: max. 20m/s × 3

### Supply voltage

- Voltage: 3.3V-4.2V DC
- Current: 70 mA

### Interface property

- Baud rate: 9,600 bps
- Protocol: NMEA 0183 GGA, GLL, GSA, GSV, RMC, VTG

### Physical properties

- Dimension: 30 mm x 30 mm x 7.5 mm
  - Operating temperature: -30°C ~ 85°C
  - Storage temperature: -40°C ~ 85°C
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### Package content

- GNSS module