

GPS Receiver OEM USB



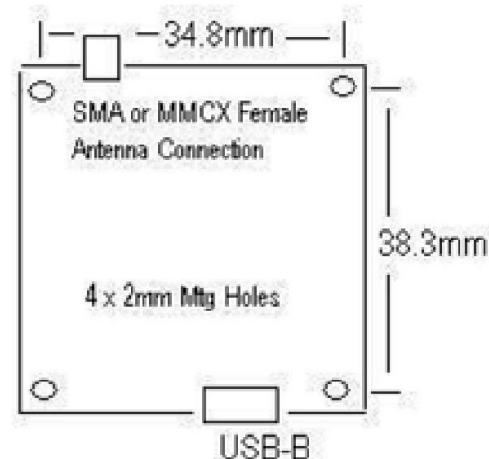
Adding GPS positioning functionality to your electronic systems is easy. Rojone's high performance OEM USB GPS receiver will provide fast and precise position fixes for a wide variety of applications.

Features

- 50 Channel Ubox 5 engine with over 1 million effective correlators
- <1 second time to first fix for hot & aided starts
- High immunity to jamming
- -160 dBm sensitivity in tracking mode
- GPS L1 C/A Code, Galileo L1 Open Service (with Ublox upgrade)
- AS: WAAS, EGNOS, MSAS, GAGAN.
- RoHS compliant

Specifications

| | |
|--------------------------------|---|
| Chip | Ublox LEA-5H |
| Frequency | L1, 1575.42MHz |
| C/A Code | 1.023 MHz Chip |
| Position Accuracy ¹ | Position 2.5mCEP, SBAS 2.0m CEP |
| Channels | 50 |
| Max update rate | 4Hz |
| Sensitivity ² | 1 Cold Start-144dBm Reacquisition -160dBm Tracking & Acquisition -160dBm |
| Acquisition Rate ³ | Hot Start < 1.0 seconds average (Open Sky, Stationary) Warm Start 29 seconds average Aided Start 2 < 1.0 seconds average Cold Start 29 seconds average |
| Timing Accuracy | RMS 30ns, 99% <60ns, Granularity 21ns |
| Timing Pulse | Configurable 0.25 to 1000Hz |
| Velocity | 515 m/s (1000 knots) |
| Power | 5 Volt USB 150mW @3.0V Eco Mode, 160mW @ 3.0V Max Performance |
| Serial Interface | USB V2.0 Full Speed 12Mbit/s Connector USB-B |
| Protocols | NMEA, UBX binary |
| Temperature Range | -40 to + 80 Degrees c, operating & storage temperature range. |
| Size | 39 x 42.5 mm + Connectors |



1. All SV @-130dBm
2. Dependent on aiding data connection speed & latency.
3. With good active antenna.

Order Code G1OENU0XUSB01-170 SMA Female Antenna Connection
G1OENU0XUSB01-310 MMCX Female Antenna Connection



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