

USB GPS High Performance Antenna & Receiver module

This product was developed specifically to meet the rugged high performance needs of demanding Agriculture and surveying industries.



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)
- § SBAS: WAAS, EGNOS, MSAS, GAGAN.
- § RoHS compliant

Specifications

<p>Chip</p> <p>Frequency</p> <p>C/A Code</p> <p>Position Accuracy ¹</p> <p>Channels</p> <p>Max update rate</p> <p>Sensitivity ¹</p> <p>Acquisition Rate ¹</p> <p>Timing Accuracy</p> <p>Timing Pulse</p> <p>Velocity</p> <p>Power</p> <p>Serial Interface</p> <p>Protocols</p> <p>Temperature Range</p> <p>Mechanicals</p>	<p>Ublox LEA-5H</p> <p>L1, 1575.42Mhz,</p> <p>1.023 Mhz Chip</p> <p>Position 2.5mCEP, SBAS 2.0m CEP</p> <p>50</p> <p>4Hz</p> <p>Cold Start -144dBm</p> <p>Reacquisition -160dBm</p> <p>Tracking & Acquisition -160dBm</p> <p>Hot Start < 1.0 seconds average (Open Sky, Stationary)</p> <p>Warm Start 29 seconds average</p> <p>Aided Start ² < 1.0 seconds average</p> <p>Cold Start 29 seconds average</p> <p>RMS 30ns, 99% <60ns, Granularity 21ns</p> <p>Configurable 0.25 to 1000Hz</p> <p>515 m/s (1000 knots)</p> <p>5 Volt USB 150mW @3.0V Eco Mode, 160mW @ 3.0V Max Performance without antenna connected. Active antenna 3 Volt required.</p> <p>USB V2.0 Full Speed 12Mbit/s Connector USB-B</p> <p>NMEA, UBX binary</p> <p>-40 to + 80 Degrees c, operating & storage temperature range.</p> <p>High Impact UV Stable White Radome housing, USB A connectors & 4.5mtr Cable lead, magnet suitable for survey or machine mounting.</p> <p>Size: 132 x 132 x 24 mm – Weight 300 g max.</p>	
---	---	--

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

Order Code

G1UB0NU4'5XUSB02CMAXI



ROJONE Pty. Ltd – 44 Aero Rd, INGLEBURN NSW 2565 AUSTRALIA
TEL +61 02 9829 1555 FAX 02 9605 8812 EMAIL sales@rojone.com.au