LOCOSYS
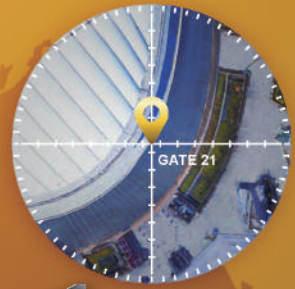
LS2308x-BVx

L1

L1 + L5

LS2308x-BVx

LS2308x-BVx is the new development by LOCOSYS and work with the dual-frequency GNSS - [L1/L5 for GPS, Galileo and QZSS], [L1 for GLONASS and BeiDou] and [L5 for IRNSS].

LS2308x-BVx increases the number of satellites involved in tracking and positioning hence efficiently reduce multipath effect while under the urban environment with many high buildings. Also, it shorten the acquiring time of signals and enhance the positioning accuracy. The built-in LNA and SAW filter ensure the positioning performance under the harsh environment like weak reception. Moreover it's equipped advanced low-power management to reach the level of low-power and the positioning accuracy **within 1-meter (static).** Finally it's the ideal solution to the applications in power sensitive or battery-powered system.
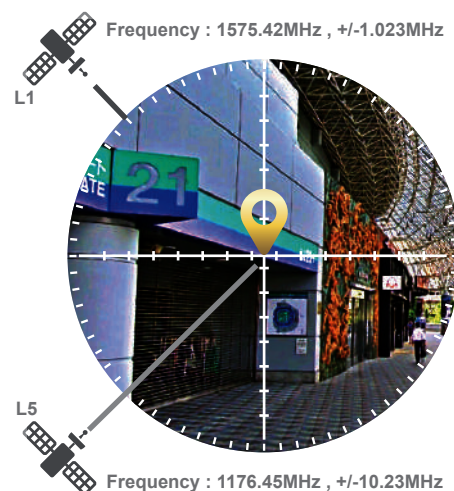
Additional, the excellent performance improves the positioning drift and enhance positioning accuracy when under the harsh environment i.e. urban, metro, canyon or under the viaduct. The lean 16 x 12mm dimension, low power, high performance is the keys and user-friendly for directly design and SMD. It definitely is your choice for the applications of Vehicle tracking, People tracking, AIoT, Handheld devices and met the market trend in real-time tracking and sharing economy.

Features

· Sub-meter position accuracy
· Concurrent reception of L1 and L5 band signals
· Support GPS, GLONASS, BEIDOU, GALILEO, QZSS and
  IRNSS (NavIC)
· Supports BDS-3 signal
· Capable of SBAS (WAAS, EGNOS, MSAS, GAGAN)
· Fast TTFF at low signal level
· Up to 10 Hz update rate
· Smart jammer detection and suppression
· Support PPS through USB
· Build-in micro battery to reserve system data for rapid
  satellite acquisition
· LED indicator for GNSS fix or not fix
· Magnet for mounting on the car
· Waterproof

Application

◎ Personal positioning and navigation
◎ Automotive navigation
◎ Marine navigation
◎ High-quality NTP time serve

Frequency : 1575.42MHz , +/-1.023MHz

L1

L5

Frequency : 1176.45MHz , +/-10.23MHz