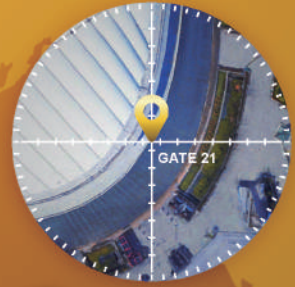


# HD-1612-BV2

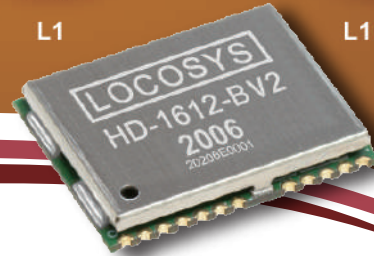
# HD-1612-BV3



L1



L1 + L5



## HD-1612-BV2/BV3

HD-1612-BV2 / 3 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].

HD-1612-BV2 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 shortens the acquiring time of signals and enhances 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 with 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 systems.

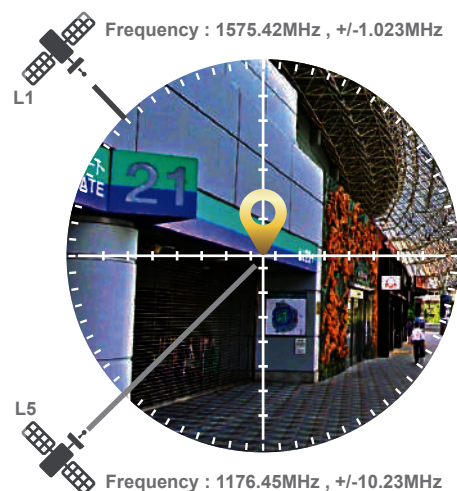
Additionally, the excellent performance improves the positioning drift and enhances positioning accuracy when under the harsh environment i.e. urban, metro, canyon or under the viaduct. The lean 16 x 12mm dimension, low power, high performance is the key and user-friendly for direct design and SMD. It is definitely your choice for the applications of Vehicle tracking, People tracking, AIoT, Handheld devices and meets 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
- Supports BDS-3 signal
- Capable of SBAS (WAAS, EGNOS, MSAS, GAGAN)
- 40 tracking channels
- Smart jammer detection and suppression
- Built-in LNA and SAW filter
- Built-in active antenna detection.
- IATF 16949 quality control
- Small form factor 16 x 12.2 x 2.4 mm
- SMD type; RoHS / REACH compliant

## Application

- ⊙ Personal positioning and navigation
- ⊙ Automotive navigation
- ⊙ Marine navigation



Version: RV01

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