

Ultra Low Power Sub-1 Meter L1+L5 GNSS Module series

YIC'S Ultra Low Power GNSS modules support all available GNSS (GPS/QZSS, Galileo, GLONASS, BeiDou) and SBAS system

YIC's ultra Low Power Sub-1 Meter L1+L5 GNSS Module series support multi-band L1+L5, mitigates the multipath delay and achieves sub-meter position accuracy. It is also supports Multi-Constellation GPS/QZSS, Galileo, GLONASS, BeiDou five satellite system positioning.

The Ultra Low Power Sub-1 Meter L1+L5 GNSS Module series offer superior sensitivity and outstanding performance, achieving rapid TTFF with an accuracy of approximately one meter and tracking sensitivity of -165dBm, which allows continuous position coverage in nearly all outdoor application environments.



Applications

- Automotive Navigation
- Personal Positioning
- Fleet Management
- Mobile Phone Navigation
- Marine Navigation

Features

- Sub-1 Meter Position Accuracy
- Ultra-Low Power Consumption: 7 ~ 17mA typ.
- Integrated 12 Multi-Tone Active Interference Cancellers
- Ultra High Track Sensitivity: -165dBm
- Concurrent Reception of L1 and L5 Band Signals
- Supports all Civil GNSS Signals
- RTCM ready (RTCM v2.3 and v3.3)
- Extremely Fast TTFF at Low Signal Level (Cold start $\leq 24s$, Hot start $\leq 1s$)
- Multipath Detection and Suppression
- Works With Passive and Active Antenna

Part List

YIC51009EBGGBL5

YIC51612EBGGBL5

EVK- YIC51009EBGGBL5

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