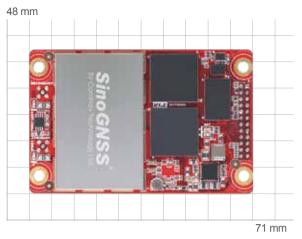
K726 GNSS Module



Size(L × W × H): 71 mm × 48 mm × 9 mm Weight: 27.2g

K726 GNSS Module

DUAL-ANTENNA INPUT

The K726 is a single GNSS board that delivers robust heading and positioning. With dual-antenna input design, observations from both antennas are transferred to the processor where multi-constellation RTK are computed. It is able to deliver centimeter-accuracy positioning and high-precision heading both in static and dynamic environments.

Features

GPS L1/L2, BeiDou B1/B2, GLONASS L1/L2, SBAS

Dual-antenna Design for Robust Heading and Positioning

Advanced QUANTUM[™] Technology

DP-Filter Smooth Function¹

Support PPS and Event Marker

MULTI-CONSTELLATION GNSS

The K726 is capable of tracking GPS L1C/A, L2C, L2P; BeiDou B1, B2; GLONASS L1C/A, L1P, L2C/A, L2P and SBAS. Using the advanced QUANTUMTM technology combined with upgraded SinoGNSS ASIC chip and Microprocessor unit, the K726 GNSS Receiver provides robust 404 channels for multi-constellation tracking performance.

STRONG COMPATIBILITY

Following the standard form factor, the K726 is designed for strong compatibility and ease of integration. With the standard I/O and pin definitions, the K726 is compatible with major GNSS manufacturers from physical design to data formats, which also ensures a seamless replacement for customers who have used SinoGNSS.

FLEXIBLE INTERFACING

The K726, a multi-purpose GNSS product, is a wise choice for precision agriculture, UAV and intelligent transportation system with high-accuracy positioning and heading requirements. Customers also benefit from its compact design and lower power consumption. With PPS and Event Marker functions, the K726 always meets your high-accuracy application demands.



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K726 GNSS Module

Channels 404 GPS L1 C/A, L2C, L2P BeiDou B1, B2 GLONASS L1 C/A, L1P, L2 C/A, L2P SBAS WAAS, EGNOS, MSAS, GAGAN Cold start <50 s	
Signal Tracking BeiDou B1, B2 GLONASS L1 C/A, L1P, L2 C/A, L2P SBAS WAAS, EGNOS, MSAS, GAGAN	
GLONASS L1 C/A, L1P, L2 C/A, L2P SBAS WAAS, EGNOS, MSAS, GAGAN	
SBAS WAAS, EGNOS, MSAS, GAGAN	
Cold start <50 s	
Warm start <30 s	
Hot start <15 s	
Performance RTK Initialization time <10 s	
Signal reacquisition <1.5 s	
- Initialization reliability >99.9%	
Velocity accuracy 0.03 m/s	
Acceleration 4 g	
Overload 15 g	
Heading Azimuth (0.2/R) ²	
Specifications Roll or Pitch (0.4/R)°	
Post Processing 2.5 mm + 1 ppm Horizontal 5 mm + 1 ppm Vertical	
Positioning Single Baseline RTK 8 mm + 1 ppm Horizontal 15 mm + 1 ppm Vertical	
Specifications DGPS <0.4m RMS	
SBAS 1m 3D RMS	
Standalone 1.5m 3D RMS	
3 LV-TTL ports, baud rates up to 921,600 bps	
1 USB port	
Communications 2 CAN Bus (Reserved)	
1 Pulse Per Second (PPS) output	
2 Event Marker input	
4 LED working status indicators	
Correction data I/O RTCM 2.X, 3.X, CMR (GPS only), CMR+(GPS only)
Data Format ASCII: NMEA-0183 GSV, RMC, HDT, VHD, GGA, ZDA, VTG, GST; PTNL, PJK; PTNL, AVR; PTNL, O Position data output ComNav Binary BINEX Data: 0x00, 0x01-01, 0x01-02, 0x01-05, 0x7 0x7e-00, 0x7f-05 Position data output: 1 Hz, 2 Hz, 5 Hz, 10 Hz, 20 Hz	GK d-00,
Size(L × W × H) 71 mm × 48 mm × 9 mm	
I/O interface 2 × 22 pin male connector	
Weight 27.2 g	
Antenna connector $2 \times MCX$ female, 50 Ω	
Electrical Input voltage +3.3 V ~ +5.5 VDC	
Power consumption 1.96 W	
Working temperature -40 °C to + 80 °C	
Environmental Storage temperature -55° C to + 95 °C	
Humidity 95% no condensation	
ComNav Compass Receiver Utility software	
Software Compass Solution software	
AT-series GNSS antenna	
Optional Accessories 5 m/10 m RF Cables	
OEM Board Evaluation Kit	

1. DP-Filter smooth function largely improves the pass to pass accuracy. Please refer to white paper for more information on our official website.

2. R (meter) is the length of two GNSS Antennas.

Specifications subject to change without notice.



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