



Size(L × W × H): 71 mm × 48 mm × 9 mm

Weight: 27.2g

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

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.

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 QUANTUM™ 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.

K726 GNSS Module

K Series GNSS Module

Ver.2020.11.30

Signal Tracking	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
Performance Specifications	Cold start	<50 s
	Warm start	<30 s
	Hot start	<15 s
	RTK Initialization time	<10 s
	Signal reacquisition	<1.5 s
	Initialization reliability	>99.9%
	Velocity accuracy	0.03 m/s
	Acceleration	4 g
Heading Specifications	Overload	15 g
	Azimuth	$(0.2/R)^2$
Positioning Specifications	Roll or Pitch	$(0.4/R)^\circ$
	Post Processing	2.5 mm + 1 ppm Horizontal 5 mm + 1 ppm Vertical
	Single Baseline RTK	8 mm + 1 ppm Horizontal 15 mm + 1 ppm Vertical
	DGPS	<0.4m RMS
	SBAS	1m 3D RMS
Communications	Standalone	1.5m 3D RMS
	3 LV-TTL ports, baud rates up to 921,600 bps	
	1 USB port	
	2 CAN Bus (Reserved)	
	1 Pulse Per Second (PPS) output	
	2 Event Marker input	
Data Format	4 LED working status indicators	
	Correction data I/O	RTCM 2.X, 3.X, CMR (GPS only), CMR+(GPS only)
Physical	Position data output	ASCII: NMEA-0183 GSV, RMC, HDT, VHD, GGA, GSA, ZDA, VTG, GST; PTNL, PJK; PTNL, AVR; PTNL, GGK ComNav Binary BINEX Data: 0x00, 0x01-01, 0x01-02, 0x01-05, 0x7d-00, 0x7e-00, 0x7f-05 Position data output: 1 Hz, 2 Hz, 5 Hz, 10 Hz, 20 Hz
	Size(L × W × H)	71 mm × 48 mm × 9 mm
	I/O interface	2 × 22 pin male connector
	Weight	27.2 g
Electrical	Antenna connector	2 × MCX female, 50 Ω
	Input voltage	+3.3 V ~ +5.5 VDC
Environmental	Power consumption	1.96 W
	Working temperature	-40 °C to + 80 °C
	Storage temperature	-55° C to + 95 °C
Software	Humidity	95% no condensation
	ComNav Compass Receiver Utility software	
Optional Accessories	Compass Solution software	
	AT-series GNSS antenna	
	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.