

# Kilichain

**High Precision Positioning GNSS module  
Multi-band Receiver Provides Centimeter-  
Level Positioning Accuracy  
Simultaneous Reception of GPS, GLONASS,  
Galileo and BDS**



# RTK1000

# Specifications

GNSS	
GNSS	GPS: L1, L2
	GLONASS: G1, G2
	Galileo: E1, E5b
	BDS: B1, B2
	QZSS: L1, L2
Channel	184
Track	-167dB
Re-capture	-160dB
Cold start	-148dB
Hot start	-157dB
Real time kinematics (RTK)	H: 0.01m+1ppm CEP
	V: 0.01 m+1 ppm CEP
Single point	H: 1.5m CEP
	V: 2.5 CEP
Speed accuracy	0.05m/s
Heading angle accuracy	0.4 deg
Dynamic heading angle accuracy	0.3 deg
Physicals	
Size	56mm x 45mm x 10mm
Working temperature	-40°C to +85°C
Storage temperature	-40°C to +105°C

Communications	
Output level	TTL level
Output protocol	NMEA,UBX,RTCM 3.3
Update frequency	0.25Hz-20Hz, default 1Hz
Second pulse	0.25 Hz to 10 MHz configurable, the default period is 1s, and the high level lasts for 100ns
Carrier phase output	Support, output RAWX statement
Electricals	
Voltage	DC 3.6V-6.0V, typical:5.0V
Current	80mA/5.0V

\*All specifications are subject to change without notice.

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