

KG-22 Specification

KG-22 is a rugged 4G vehicle tracker, which is compact and waterproof, designed for harsh environments. It features ultra-low power consumption and high-precision positioning for optimal tracking efficiency.

This product supports:

1. 4G Cat.1
2. GNSS: GPS/ GALILEO/ BeiDou/ GLONASS
3. IP67 waterproof rating
4. Ultra-low Power Consumption
5. 9-90V DC Wide Operating Voltage
6. Configurator and FOTA WEB
7. 16,000 Blind Spot Data Storage Entries



Communication Specifications

Technology	• 4G Cat. 1
Data support	• SMS (TXT/ PDU)
4G band	• STD Band: B1/ B2/ B3/ B5/ B7/ B8/ B20/ B28/ B66(B4)/ B38/ B41 (Optional) • NA Band: B2/ B5/ B12/ B17/ B13/ B66(B4)/ B38/ B41(Optional)

GNSS Technical

Technology	• GNSS: GPS/ GALILEO/ BeiDou/ GLONASS
Tracking sensitivity	• -165dB
Capture Sensitivity	• -159dB
Position accuracy	• <2.0m CEP
Hot start	• <1s
Cold start	• <24s

Power Consumption

Operating Power	• DC 9-90V
Battery capacity	• 3.7V/55mAh Lithium battery
Power Consumption	• @12V 10uA (Offline Deep Sleep Mode) • @12V 3.8mA (Online Sleep Mode) • @12V 11.6mA (Tracking Mode)

Features

Multi-IP	• Dual-IP support
Working modes	• Normal • Online Sleep • Offline Deep Sleep
Alarm function	• Vibration Alert • Position Change Alert • Power-cut Alert • Low voltage Alert • Speeding Alert • Harsh Braking Alert • Harsh Acceleration Alert • Harsh Turning Alert • Collision Warning
Data storage	• 16,000 blind spot storage entries (total for both IPs)
Configuration support	• Configurator, FOTA WEB, SMS, Monitoring Platform

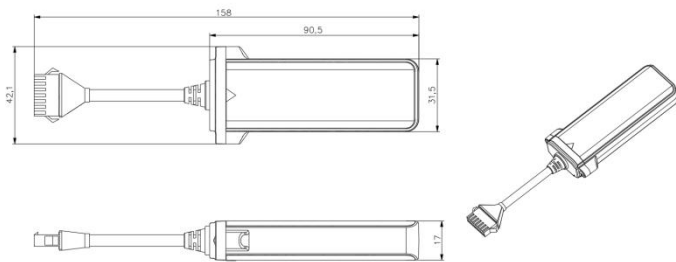
Physical & Interface Specifications

Connector	7pin female connector
Working Temperature	-20°C to 75°C
Storage Temperature	-40°C to 85°C
Humidity	< 95%
Ingress Protection Rating	IP67
LED	- Yellow: Location - Red: Communication
Interface	- Nano-SIM, Type-C - V+, GND, ADC, Fuel-, SOS, ACC, Custom heightdetection9-36V
Color	Black
Product Dimensions	L 158* W 42* H 17mm
Weight	51g

Regulatory Compliance

Certification	CE, FCC,UKCA,IPV6
Product Name	KG-22

Appearance



Connector

No	Colour	Interface definition
1	White	Custom height detection 9-36V
2	Green	ADC 0-15V
3	Blue	SOS
4	Black	GND
5	Orange	ACC
6	Yellow	Fuel-
7	Red	V+