**SPECIFICATIONS**

**Satellite Signals Tracked Simultaneously**
- 220 channels
- GLONASS L1/L2/L5/A1/A2/A3/A4
- SBAS L1/L2/L5 (just for the satellites supporting L5)
- Galileo E1/E5a/E5b

**GPS features**
- Positioning output rate: 1Hz ~ 50Hz
- Initialization time: <10s
- Initialization reliability: 99.99%

**Environmental Environments**
- Working temperature: -45°C~+60°C
- Humidity: 95% Non-condensing
- Waterproof/Dustproof: IP67, protected from long time immersion to depth of 1m
- Shock and vibration: Withstand 1meters pole drop onto the cement ground naturally

**Power Supply**
- 9-25V DC, overvoltage protection
- Rechargeable, removable lithium-ion battery, 7.4V, standard four batteries power package (optional)
- Single battery: >7h (static mode), >5h (internal UHF base mode), >6h (rover mode)

**Communications**
- Wireless modem: 2W, external power port + RS232, 7PIN external USB(OTG)+Ethernet
- Cellular Mobile Network: GPRS, EDGE, UMTS, HSDPA, CDMA, EVDO, LTE
- Double Module Bluetooth
- NFC Communication: Intelligent voice technology
- External Devices: Providing secondary development package
- Battery life: 15 to 25 hours (typical operation)

**Dimension**
- 134 x 134 x 118 (mm)
- Weight: 1.8kg (battery included)

**Material**
- Magnesium aluminum alloy shell
- Operating temperature: -45°C~+60°C
- Humidity: 95% Non-condensing
- Waterproof/Dustproof: IP67, protected from long time immersion to depth of 1m

**Weight**
- Single button operation
- Three LED indicator lights
- Freely to configure and monitor the receiver by accessing to the web server via Wi-Fi and USB
- Web UI: Voice guide
- iVoice intelligent voice technology provides status and voice guide
- Supporting Chinese, English, Korean, Russian, Portuguese, Spanish, Turkish and user define

**Hardware performance**
- Linux
- Single button operation
- Three LED indicator lights
- Freely to configure and monitor the receiver by accessing to the web server via Wi-Fi and USB
- Web UI: Voice guide
- iVoice intelligent voice technology provides status and voice guide
- Supporting Chinese, English, Korean, Russian, Portuguese, Spanish, Turkish and user define

**Secondary development**
- Provide secondary development package

**SPECIFICATIONS**

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**GPS+GLONASS+BEIDOU+GALILEO**
- WebUI Management Platform, WiFi
- Radio Router/Radio Repeater
- Intelligent Embedded LINUX OS, Internal 8GB SSD
K5 PLUS+ One Step Ahead GNSS Receiver

World-Leading Positioning Technology

Equipped with the most advanced GNSS positioning technology, K5 PLUS+ will provide you an awesome working experience. Featuring an ultra-powerful GNSS mainboard, K5 PLUS+ can track and process signals from GPS, GLONASS, BEIDOU, GALILEO and SBAS systems. With this superior multi-Constellation compatibility, the satellite availability, signal acquiring speed are greatly improved, the waiting time has been shortened and the positioning accuracy (RTK) is up to 8mm+1ppm in horizontal and 15mm+1ppm in vertical.

Versatility and Flexibility

Every unit of K5 PLUS+ can work as base receiver or rover receiver. The built-in transceiving radio can transmit signal to 1.5km away even farther. The integrated 4G/GPRS module enables seamless real-time connection with CORS networks. Bluetooth 4.0 technology supports the connection to IOS, Android cell phone and all kinds of data collector.

A newly-designed Smart Power Management program can reduce energy spill and extend working hours. Smart Voice Prompt program can guide your operation and system trouble-shooting.

Smaller but Stronger

K5 PLUS+ is one of the smallest GNSS receivers in the world, the diameter of the top end is only 134mm, the height of receiver is 118mm, total volume is 1.02L and it weighs only 1KG. Magnesium alloy materials create an extremely rugged, compact and light machine body for K5 PLUS+. The anti-impact ability, shock absorbing ability and heat dissipation ability are greatly improved.

The whole-seal design brings K5 PLUS an IP 67 level industrial class proof ability, makes the receiver withstand all kinds of stresses from harsh environment.

New Technology on K5Plus+

Full satellite constellations support

Equipped with most advanced GNSS boards, KOLIDA K5 PLUS+ system can track most signal from all kinds of running satellite constellation, especially support B1, B2 and B3 signal from Beidou, also is able to get position result with only Beidou signal.

Advanced data-link module

Integrated with new and excellent datalink system, KOLIDA K5 PLUS+ is compatible with current radio protocols in the market, also supports all kinds of network types to access CORS seamlessly.

NFC function

The internal NFC module can make the complicated bluetooth communication more simple and easier.

Easy to carry

A newly designed carrying case is A newly designed carrying case is 30% lighter than before. The total weight of receiver with the new design soft bag is 30% lighter than before. The internal NFC module can make the complicated bluetooth communication more simple and easier.

Field Software

KOLIDA Total Control Software

KTC is a new post-processing software that integrates static data processing and kinematic adjustment

- Antenna manager with popular receiver types.
- Compatible with numerous data format.
- Update online.
- Abundant report exporting.

Post-processing software: KOLIDA GNSS Processor

- 3D processing and clear display
- Transformable to RINEX format
- Full options for result Export
- Powerful baseline settings
- Manually edit and filter satellite data for best result

Field Genius is a powerful survey data collection software from Canada. Advanced Roadside, Surfacings, Slope Staking, Code Free Linework, Smart Points and GPS support and Live Graphics make FieldGenius the choice of organizations that value productivity. Multi-language is available. (Need to purchase individually)