



M8 GNSS RTK

K9 Datalogger

- Trimble BD970 board, proven tracking technology
- FieldGenius9, the most easy-to-use survey data collection software
- Dual power supply(6800mAh*2), 12 hours for static while 8-10 hours for RTK
- Built-in Tx/Rx UHF, exchangeable Base and Rover
- External USB port for U disc extension
- Linux intelligent system

Technical Specification

System Configuration

OS.....Linux
 Processor.....New high performance Cortex 454MHX processor
 Memory.....8GB Optional 16GB/32GB

GNSS technical specificatio

Motherboard type.....Compatible with multifrequency multi-satellite motherboards, BD970, OEM628 etc.

Tracking channel 220 channel (BD970)

GPS.....L1 C/A, L2E, L2C, L5
 GLONASS.....L1C/A,L1P,L2C/A,L2P
 Galileo.....L1BOC,E5A,E5B,E5AltBOCi
 BDS.....B1,B2
 SBAS

Positioning accuracy

RTK
 horizontal..... $\pm(8\text{mm} + 1 \times 10^{-6}\text{D})$
 vertical..... $\pm(15\text{mm} + 1 \times 10^{-6}\text{D})$
 Static
 horizontal..... $\pm(2.5\text{mm} + 1 \times 10^{-6}\text{D})$
 vertical..... $\pm(5\text{mm} + 1 \times 10^{-6}\text{D})$
 Output rate.....1HZ in default,support up to 20HZ

Communication specification

GSM.....GSM(850/900/1800/1900MHz)
 Bluetooth.....2.4GHz V2.0+EDR
 U disc.....Support U disc storage extension up to 64GB, support hot plug
 Built-in UHF.....Adjustable 0.5W/2W, support 5 km working distance, 9600 or 19200bps

Port allocation

Indicicator led.....Power led, satellite led, communication led
 Key.....One power key, two function keys
 Pot.....USB 2.0 / RS232 serial port, debugging port / TNC UHF antenna port
 Application function.....Speaker for voice broadcast

Power supply

Battery.....Dual power supply + assistant battery design (6800mAh x 2+650mAh),the main battery supports hot piug, changing battery without powering off
 Extemal power supply.....Support 9~36V DCbattery as power supply; Support 220V AC as power supply

Hardware Physical

Size.....184.5*105mm
 Weight.....1.5kg(with battery)

Working circumstance

Working Temperature..... $-45^{\circ}\text{C} \sim +65^{\circ}\text{C}$
 Memory Temperature..... $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$
 Water/dust proof.....IP67

