

LOCOSYS

RTK-M100

Dual-Frequency, Multi-Constellation

Dual-band RTK GNSS Centimeter-Accurate Positioning Solution

RTK-M100 is an affordable dual-band RTK GNSS receiver that provides centimeter-accurate GNSS measurements.

RTK-M100 can work in different modes: rover, base station and remote sensor (i.e. remote GNSS raw data collector). It provides three communication interfaces, including Ethernet, 4G/LTE and Serial port. Through these built-in communication functions, RTK-M100 as a rover can receive data from the remote base station or network server and as a base station can transmit data to the rover.

RTK-M100 has not only 64M bytes on-board flash memory for saving up to 7 days of RTK positioning data continuously, but also a Micro SD interface to log GNSS raw data for post processing. In addition, the low power consumption makes RTK-M100 easy to use outdoors.

RTK-M100 is Dual-band RTK GNSS Centimeter-Accurate Positioning Solution supporting 4G-LTE communication.

RTK-M100R is Dual-band RTK GNSS Centimeter-Accurate Positioning Solution supporting 4G-LTE + LoRa communication.



Features

- Centimeter-accurate RTK positioning
- Support dual-band GNSS
- Support GPS, GLONASS, BDS, QZSS Constellations
- Built-in global 4G modem.
- Built-in ethernet function.
- Switchable among rover, base and remote sensor.
- Internal memory and Micro SD interface.
- Light weight and low power consumption.

Model	RTK-M100
Type	BOX
GNSS Frequency	Multi-band
Rover	●
Base Station	●
4G-LITE	●
Constellations	GPS , GLONASS BeiDou , QZSS
Horizontal Accuracy	0.01m + 1ppm CEP
Vertical Accuracy	0.15m + 1ppm CEP
Update Rate	1HZ / 5HZ
RTCM Input	●
Windows Software	●
Operating Temp	-25°C to +70°C
Dimension	93*82*40mm
Manufactured	IATF 16949

Applications

- ◎ Environmental and structural monitoring
- ◎ Precision agriculture
- ◎ Unmanned aerial vehicle (UAV)
- ◎ Land survey, 3D mapping and aerial photography
- ◎ Robots and smart machines



Version: RV01

47344

20F.-13, No.79, Sec. 1, Xintai 5th Rd.
Xizhi Dist., New Taipei City 22101
Taiwan R.O.C.
www.locosystem.com

Tel : 886-2-8698-3698
Fax : 886-2-8698-3699
Mail : info@locosystem.com