RTK-M101

RTK-M101 is an affordable dual-band RTK GNSS receiver that provides centimeter-accurate GNSS measurements. RTK-101 features dual GNSS antennas for Heading and altitude applications. It can output RTK position and Heading at the same time.

RTK-M101 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-M101 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-M101 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-M101 easy to use outdoors.

RTK-M101 is Dual-band RTK GNSS Centimeter-Accurate Positioning & Heading Solution supporting 4G-LTE commnunication.

RTM-M101R is Dual-band RTK GNSS Centimeter-Accurate Positioning & Heading Solution supporting 4G-LTE + LoRa communication.

Features

Centimeter-accurate RTK positioning and heading
Support dual-band GNSS
Support GPS, GLONASS, BDS, GALILEO, 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-M101
Type	BOX
GNSS Frequency	Multi-band
Heading	●
Rover	●
Base Station	●
4G-LITE	●
Constellations	GPS , GLONASS , Galileo BeiDou , QZSS
Horizontal Accuracy	0.01m + 1ppm CEP
Vertical Accuracy	0.15m + 1ppm CEP
Heading Accuracy	< 0.2 deg
Updeate Rate	1HZ / 2HZ
RTCM Input	●
Windows Software	●
Operating Temp	-25°C to +70°C
Dimension	93*82*40mm
Manufactured	IATF 16949

Applications

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

ISO/TS 16949:2009 REGISTERED FIRM
47344

RoHS

Version: RV01

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