

# E100

### **NETWORK GNSS RECEIVER**

The eSurvey E100 is a network receiver that will get more done faster than you thought possible. This entry-level GNSS solution handles multiple frequencies from multiple constellations, improving position accuracy. Thanks to its ultra-compact design and built-in RTK assistant function, the E100 is an ideal rover station receiver for a CORS system. The E100 is suitable for different applications such as car and machine control.





## Compact Design: Easy to Carry

Easily carry it in a variety of complex environments, benefiting from its lightweight and compact design

#### **Intelligent Voice**

The E100 can automatically broadcast voice alert to the user when the solution status changes. It also broadcasts current working mode and solution status manually by short pressing the power button.

#### Web UI

It allows users to view position status, set up working mode, download data, and update firmware from the Web user interface with any smartphone, tablet, or PC.

## Max 60° Tilt Survey: A Different Way of Working

- Quickly measure accurate points while standing or walking without leveling the pole.
- Concentrate on where the pole tip needs to go, which is especially useful during a stakeout.
- Easily start a survey in environments that are hard to reach, such as building corners and slopes.
- No longer worry about the movement of the pole when measuring, provided that the pole tip is stationary.

#### RTK Aid Function: Uninterrupted Work

Work without interruption even when RTK corrections fail, powered by our RTK aid function.

#### **Rugged Design**

The main body of the E100 is made of magnesium alloy materials which has strong shock and vibration resistance. IP67 certification ensures operation in variety of tough environments.





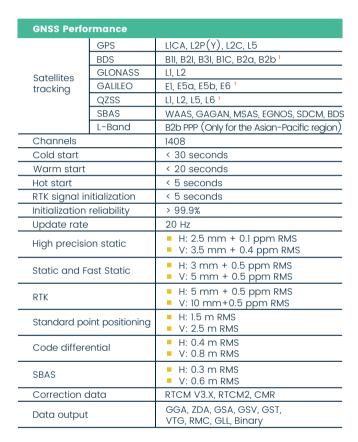
Website

Social media

## **Product Specification**

# E100

### NETWORK GNSS RECEIVER



| Power Supply  |   |
|---------------|---|
| Battery       | Rechargeable<br>Built-in Lithium-ion battery x 1<br>7.2V ~ 6900 mAh |
| Voltage       | 9 - 28V dc  |
| Working time  | Up to 9 hours   |
| Charging time | Typically 4 hours   |

1: It is not supported for now.

It will be supported after firmware update in the future.



| Internet Modem |   |
|----------------|---|
| Supported band | Global 4G  LTE FDD: Bl, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28  LTE TDD: B38, B39, B40, B41  UMTS: B1, B2, B4, B5, B6, B8, B19  GSM: B2, B3, B5, B8 |

| System            |  |
|-------------------|--|
| Operation system  | Linux  |
| Internal memory   | 8 GB   |
| Bluetooth         | BT5.0+EDR, BLE   |
| Wi-Fi             | 802.11 a/b/g/n/ac  |
| SIM card          | ✓  |
| 5-pin port        | Connect to external radio and external power; NMEA output                |
| Type-C port       | Charge and data transmission   |
| Web UI            | View status, update firmware,<br>set up working mode, download data, etc |
| Intelligent voice | Broadcast working mode and status  |
| MEMS              | Fast initialization, dynamic tilt survey up to 60°                       |

| Physical              |  |
|-----------------------|--|
| Dimension             | Ф148 mm x H77 mm   |
| Weight                | 900 g  |
| Operating temperature | -30°C - +65°C  |
| Storage temperature   | -40°C - +80°C  |
| Water / dust proof    | IP67   |
| Shock                 | <ul> <li>Withstand topple over from a 2 m<br/>survey pole onto hard surfaces</li> <li>Survive a 1.2 m free drop</li> </ul> |
| Vibration             | Vibration resistant  |
| Humidity              | Up to 100%   |
| Indicators            | Satellites, datalink, battery, Bluetooth   |
| Button                | Power button, short press to voice broadcast working mode and status   |
| Certificate           | CE, FCC, NGS, IGS  |



