



# G639/G659

## 3.2" Rugged GIS Handheld

IP68 certified, G639/G659 are designed for anyone who works in harsh environments. The helical antenna ensures a stable and amazing satellite signal tracking performance. The battery handles whole day' s work. G639/G659 is small size and easy for carrying especially for GIS application.

### High Precision Positioning

The helical antenna ensures a stable and amazing satellite tracking performance. G659 is able to receive correction data through network to obtain centimeter level accuracy.

### Open Android 7 System

Equipped with Quad-core Qualcomm processor, user can install software on the Android 7 platform.

### Sunlight Viewable Screen

The 400-nits brightness makes the device Sunlight viewable.

### Long-time Operation

The 4000 mAh rechargeable and replaceable battery ensures whole day' s work without interruption.

### Large Memory Storage

Internal 8 GB storage and the expansion up to 128 GB makes sure it is suitable for large data application.

### Rugged Design

Device is IP68 certified as a rugged device. It survives a 1.8 m drop on concrete floor.

# Product Specification

| System                |   |   |
|-----------------------|---|---|
| Processor             | Qualcomm MSM8909<br>Quad-Core, 2.2GHz                             |   |
| OS                    | Android 7   |   |
| RAM                   | 1 GB  |   |
| ROM                   | 8 GB  |   |
| Screen                |   |   |
| Screen Size           | 3.2"  |   |
| Resolution            | 800 x 480   |   |
| Density               | 320 dpi   |   |
| Brightness            | 400 nits  |   |
| Touch Panel           | Capacitive  |   |
| Camera                |   |   |
| Rear                  | 8 MP  |   |
| Flash Light           | Support   |   |
| Auto Focus            | Support   |   |
| GNSS                  |   |   |
|                       | G639  | G659  |
| Channels              | 72  | 72  |
| Tracking              | GPS/BDS/GLONASS<br>/GPS + BDS<br>/GPS + GLONASS<br>/GPS+GALILEO   | GPS/BDS<br>/GPS + BDS   |
| SBAS                  | Support   | Support   |
| Accuracy              | Single: 1 ~ 3 m<br>SBAS: 0.6 m                                    | Single: 1 ~ 3 m<br>SBAS: 0.6 m<br>DGNS: 0.5m<br>RTK: 5cm + 1ppm |
| Communication         |   |   |
|                       | G639  | G659  |
| GSM                   | No  | Yes   |
| WIFI                  | Support   |   |
| Bluetooth             | Support   |   |
| SD Card               | With 16 GB standard, up to 128 GB                                 |   |
| USB                   | 1 x USB Type-C  |   |
| Power Supply          |   |   |
| Battery               | Rechargeable and replaceable Lithium-ion battery, 3.8 V, 4000 mAh |   |
| Working               | Up to 15 hours <sup>1</sup>                                       |   |
| Charge                | 5 hours   |   |
| Safety Lock           | With battery safety lock  |   |
| Sensor                |   |   |
| Speaker               | Yes   |   |
| Microphone            | Yes   |   |
| Light                 | Yes   |   |
| Proximity             | Yes   |   |
| Magnetometer          | Yes   |   |
| Gyroscope             | Yes   |   |
| Barometer             | Yes   |   |
| Accelerometer         | Yes   |   |
| Gravity               | Yes   |   |
| Compass               | Yes   |   |
| Physical              |   |   |
| Dimension             | 174 x 66 x 32 mm  |   |
| Weight                | 280 g with battery<br>205 g Without battery                       |   |
| Operating Temperature | -20°C ~ +60°C   |   |
| Storage Temperature   | -30°C ~ +70°C   |   |
| Water/Dust Proof      | IP68  |   |
| Shock                 | Survive a 1.8 m drop on concrete floor                            |   |
| Humidity              | 95%   |   |
| Buttons               | 1 x PTT<br>1 x Power<br>4 x FN<br>4 x Navigation                  |   |
| Keyboard              | Virtual keyboard<br>Virtual home, return, menu keys               |   |
| Lanyard               | Support   |   |

1. The actually working time depends on the temperature and the running software.



Shanghai eSurvey GNSS Co., Ltd.  
Lianhang Rd, Pujiang Town, Minhang District, Shanghai, China

Tel: +86 21 54467215  
Email: info@esurvey-gnss.com  
Web: www.esurvey-gnss.com  
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