



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 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 /GPS + BDS /GPS + GLONASS /GPS+GALILEO	GPS/BDS /GPS + BDS
SBAS	Support	Support
Accuracy	Single: 1 ~ 3 m SBAS: 0.6 m	Single: 1 ~ 3 m SBAS: 0.6 m DGNS: 0.5m 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 ¹	
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 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 1 x Power 4 x FN 4 x Navigation	
Keyboard	Virtual keyboard Virtual home, return, menu keys	
Lanyard	Support	

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

